

# The CHEMIST AND DRUGGIST

**For Retailer, Wholesaler and Manufacturer**

APRIL 6 1957

packed with charm



The pack on the counter catches your customer's eye . . . and she buys. That's how fast, how surely," Raywarp slumber nets—always ahead in styling, colour and finish—sell themselves.

The logo for Raywarp Slumber Nets features the brand name "Raywarp" in a large, stylized, yellow script font. Below it, the words "SLUMBER NETS" are written in a smaller, yellow, sans-serif, all-caps font. The entire logo is set against a dark, circular background.

SLUMBER NETS

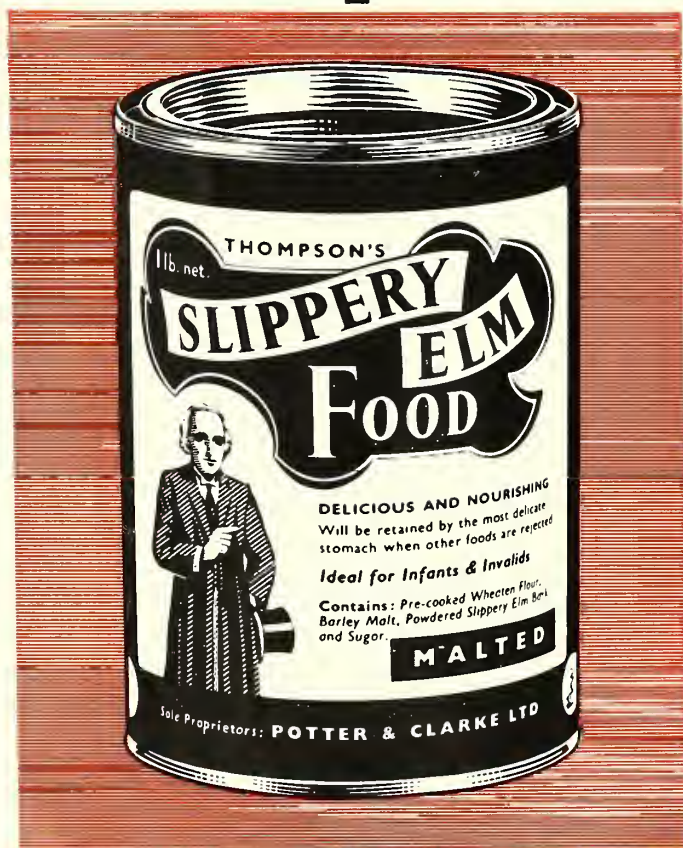
## keep beauty a-head

RAYWARP TEXTILES LTD • ALFRED STREET NORTH • NOTTINGHAM



A TOP-SELLER from the

# Potter's range of products



**RESEARCH ESTABLISHES THOMPSON'S SLIPPERY ELM FOOD IDEAL IN CASES OF STOMACH WEAKNESS, ULCERS, DIGESTIVE DISORDERS.**

Large scale market research into the uses of Thompson's Slippery Elm Food establishes these facts. More and more people are finding it of particular benefit in cases of stomach disorders of all kinds, especially ulcers and some effects of anxiety neuroses.

It is easy to digest, and can usually be retained by the most delicate stomach when other foods are rejected.

But its value as a food beverage is more widespread. Thompson's Slippery Elm Food is a wonderfully nourishing restorative. People find a cupful taken mid-morning relieves fatigue; taken again at night it ensures restful sleep. Its sustaining properties are remarkable. No wonder it ranks as Potter's BIGGEST SELLING LINE.

Available in three varieties

**MALTED  
UNMALTED  
WHOLEMEAL  
MALTED**

**THOMPSON'S  
SLIPPERY ELM  
FOOD**



**POTTER & CLARKE LTD** · RIVER ROAD · BARKING · ESSEX · Telephone: RIPPleway 3041

Orders through WHOLESALERS ONLY please!

# CHEMOTHERAPY OF TUBERCULOSIS



the newest proven modification of PAS for safe, acceptable, convenient and therapeutically reliable performance in combined regimens with Isoniazid.

B-PAS (Wander), 4-benzoylamino-2-hydroxybenzoate, first introduced by our Research Laboratories in 1948, is an acknowledged contribution to tuberculotherapy.

## ADVANTAGES

CALCIUM B-PAS (Wander) is virtually insoluble.  
It provides high blood levels of extended duration.  
It is practically tasteless.  
It is well tolerated and best suited for domiciliary use.

## MULTIPLE PRESENTATION FOR COMBINED REGIMENS

CALCIUM B-PAS (Wander) is available as such in two convenient forms: Powder and Cachets. Content in each form is ranged so that the daily regimen is simplified. The 3.5 g. Powders taken with a draught of water or milk are especially acceptable. For combined regimens of B-PAS and INAH, 'B-PASINAH' Powders and Cachets according to preference supply the advantage of concurrent therapy in readily acceptable form which practically ensures the patient's co-operation in carrying out instructions.

## PACKINGS

### CALCIUM B-PAS **WANDER**

Powders: Tins of 150 and 500 x 3.5 g. envelopes  
Cachets: " " 80 and 400 x 1.0 g.  
Sodium B-PAS (Wander) also available in 1.5 g. Cachets

### 'B-PASINAH' (B-PAS plus Isoniazid)

Powders: Calcium B-PAS (Wander) 3.5 g.  
Isoniazid ... .. 87.5 mg.  
Tins of 150 and 500

Cachets: Calcium B-PAS (Wander) 1 g.  
Isoniazid ... .. 25 mg.  
Tins of 100 and 500

Price details of all forms of PAS from the Medical Dept.

'PASINAH' Cachets of 1.5 g. Sodium PAS and 17, 25, 33 or 50 mg. Isoniazid also available.  
Tins of 100 and 500.

*All Wander tuberculostatic products are available from usual wholesalers or direct from*

## A. WANDER LIMITED

42 Upper Grosvenor Street, Grosvenor Square, London W.1

CANADA: A. Wander Ltd., Peterborough, Ontario. AUSTRALIA: A. Wander Ltd., Devonport, Tasmania. NEW ZEALAND: A. Wander Ltd., Christchurch. INDIA: Khatau Valabhadas & Co., Indian Globe Chambers, Fort Street, Fort, Bombay. I. PAKISTAN: Grahams Trading Co. (Pakistan) Ltd., P.O. Box. 30, Karachi. CEYLON: A Baur & Co. Ltd., Colombo.





# A NEWCOMER TO THE Pride RANGE★

*of Hair Beauty Preparations*



## Pride SCALP MILK

*an entirely New scalp treatment plus :—*

- ★ Allays scurf and dandruff
- ★ A superb scalp tonic
- ★ Continuous scalp nourishment after shampooing
- ★ Prevents falling hair
- ★ Attractively perfumed

Years of research and exhaustive tests by leading hairdressers have proved PRIDE SCALP MILK to be a valuable scalp treatment. Produced by Furman, the makers of Pride Spraying Lacquer, PRIDE SCALP MILK is entirely new and retails at 3/3.

### BIG PRESS ADVERTISING!

*and so, big profits for you*

PRIDE SCALP MILK advertising is scheduled to appear in leading national magazines this summer. Over one million women will be reading these advertisements and will be demanding PRIDE SCALP MILK from YOU. These advertisements will invite women to write to Furman for advice on scalp treatment—a Pride service which cannot fail to increase your sales.

PRIDE SCALP MILK is in the injector dispenser for easy application and is packed in gay, attractive display outers.

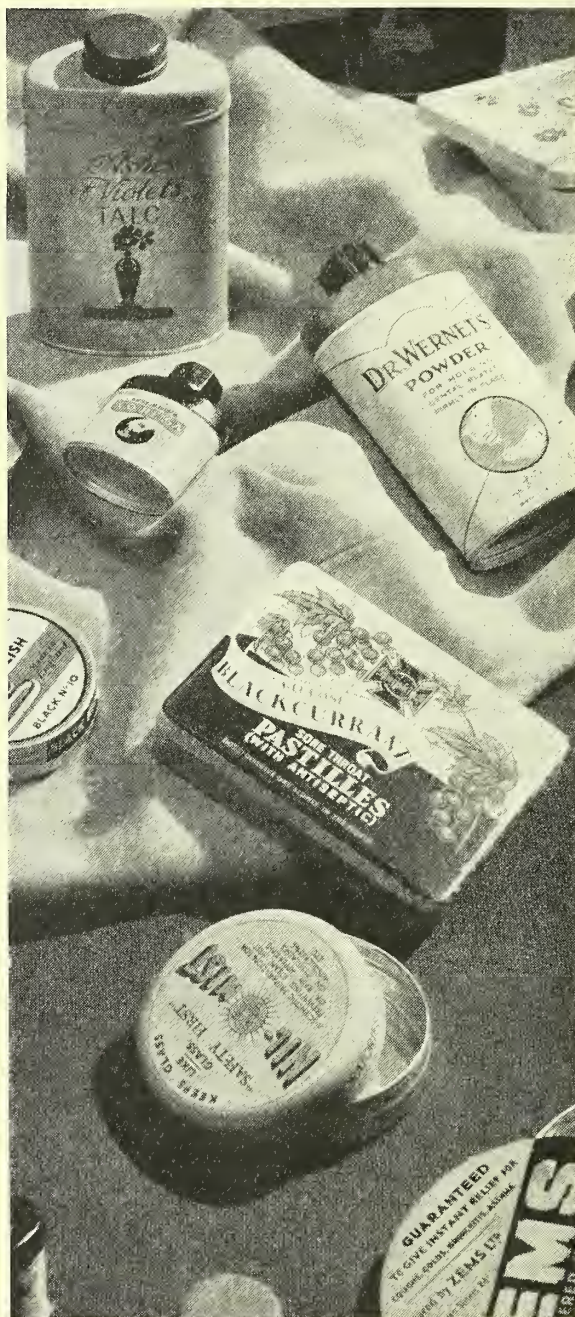
#### ★ OTHER Pride LINES

- Egg and Lemon Cream Shampoo • Spraying Brilliantine
- Spraying Lacquer • Brilliant Glitters • Colour Streak

*Obtainable from your usual Wholesaler or direct:—*

**B. N. FURMAN (PRODS) LTD**

133 Fonthill Road, London, N.4



PRESSWORK, TINS, CANISTERS  
DECORATED METAL BOXES  
CONTAINERS OF ALL KINDS  
DRUMS AND KEGS



## MODERN PACKAGES LIMITED

PHENIX WORKS

UXBRIDGE 8535-6-7-8



# PRICE MAINTENANCE

**I**N the High Court on the 26th March, 1957, County Laboratories Limited, Macleans Limited and Harold F. Ritchie Limited, three of the Beecham group of companies, obtained an undertaking from J. Mindel Ltd. that the Defendants would not sell by retail any articles manufactured or distributed by the Plaintiffs below the current fixed retail selling price.

It is the policy of the Beecham group of companies to protect the prices at which their products may be sold to the public. This ensures fair and reasonable profit margins to the trade and gives the public a continuing assurance of high quality and good service at fair prices.

**BEECHAM PHARMACEUTICALS LIMITED**

**COUNTY LABORATORIES LIMITED**

**MACLEANS LIMITED**

**HAROLD F. RITCHIE LIMITED**





Be prepared  
for  
Summer  
Sunshine!

Esoban De Luxe Cream of Calamine will once again be in great demand this summer for the ease and comfort it brings to sufferers from sunburn, skin irritation, chafing and eczema. Build up your stocks now.

# ESOBAN

## De Luxe

### CREAM OF CALAMINE

LARGE SIZE  
3/- (inc. tax)

HANDY PACK  
1/7 (inc. tax)

Special Seasonal terms

33½% discount and bonus 13 to the doz.

PLUS

5% on £5 and 10% on £10 direct orders in return for 14-day counter and window display.



\*SEND FOR ATTRACTIVE SHOW MATERIAL  
**SOUTHON LABORATORIES LTD**  
88, UPPER RICHMOND ROAD, LONDON, S.W.15

# BURROUGH'S ABSOLUTE ALCOHOL

JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

Always in Demand

## RODINE

Rodine Phosphorus, Rodine Red Squill,  
Rodine Warfarin (Ready-to-use or Concentrate),  
and Special Rodine Mouse Warfarin.  
THOMAS HARLEY LTD., RODINE WORKS, PERTH, SCOTLAND

**'IMPACT'** advertising  
creating new sales records!

# NERVONE

*The New Nerve Nutrient*

T.V. 'spots' on London and Midlands stations are now adding 'IMPACT' to the hard-selling press, poster and theatre campaign. Are your stocks of 'NERVONE' adequate?

OBTAINABLE FROM WHOLESALERS EVERYWHERE

LABORATORY NATIVELLE LTD, presents:

# NATISEDINE

A new GENERAL SEDATIVE with  
elective cardiac action

Each tablet contains:

Phenylethylbarbiturate of Quinidine: 0.10 gm.

A new, crystalline salt of high purity, stable  
and with definite physical characteristics.

Tube of 20 ... .. Retail price 10/2½  
Bottles of 100 (Dispensing Packs)

**LABORATORY NATIVELLE LTD**

74 White Lion Street, London, N.1

Other lines: NATIVELLE'S DIGITALINE—OUABAIN ARNAUD  
IODHEMA—NATIROSE

Dispensing

# CORKS?



Immediate delivery from  
**RANKIN BROTHERS & SONS**  
(RANKIN PARTNERS, LTD.)

OWNERS OF THE FINEST  
CORK FORESTS IN PORTUGAL

139 Bermondsey St., London, S.E.1  
Telephone: HOP 0074

## THIS IS AUTOMATION!

An entirely NEW AND MODERN CHEMIST MAILING SERVICE now offers you the obvious advantages of personally addressed letters to chemists with your own 2-colour headings, faultlessly printed and matched in one run—Coloured Reply Cards with recipient's name and address filled in for him—Automatic folding, envelope addressing and filling—with no extra charge for use of lists and substantial savings in Purchase Tax and at costs and speeds believed impossible.

You can increase SALES and GOODWILL with your best Customer—THE CHEMIST!

MAIL ADVERTISING SERVICES (MAS) LTD., 351 City Road, London, E.C.1

Telephone: TER 2543



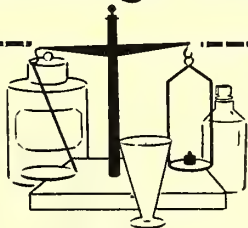
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## A message to modern managements



### THE "DUCHESS" (illustrated)

Made in superior quality Poplin or Rayon, this elegant style is pleated back and front and has 2 side pockets, all-round belt to button and button cuffs. Sizes: SW, W, WX, OS and XOS. In wide range of colours. Price 31/6.

### THE "PROFESSIONAL" (for men)

This Long Coat has a stitched down half-belt back and is made in a special satin drill. Features: detachable buttons, 2 side and 1 breast pocket with division. 2 side vents to trousers. Vent cuffs. Seam back. Centre vent. Price 32/9.

★ Send today for a free copy of Gardiner's Overall Catalogue illustrating more than 30 styles.

Make sure your staff always looks smart and efficient in well-tailored overalls from Gardiner's. For protection, for good looks, you can't beat these elegantly-cut and finished garments. They're so hygienic—so crisp and clean. Wash them time and time again—they still look as good as new. Gardiner's overalls are made in a wide range of styles and materials, including drill, rayon and nylon.



**GARDINER & CO (The Scotch House) Ltd**

1, 3 & 5 Commercial Road, London, E.1

(Opp. Aldgate East Tube Station)

Telephone: BISHopsgate 6751/3

Open all day Saturday — closed 1 o'clock Thursday



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# Bronnley for the Bath

★  
**BRONNLEY**  
FINE SOAPS AND  
TOILET PREPARATIONS

*Exquisitely Perfumed*

*Elegantly Presented*

*Regularly Advertised*

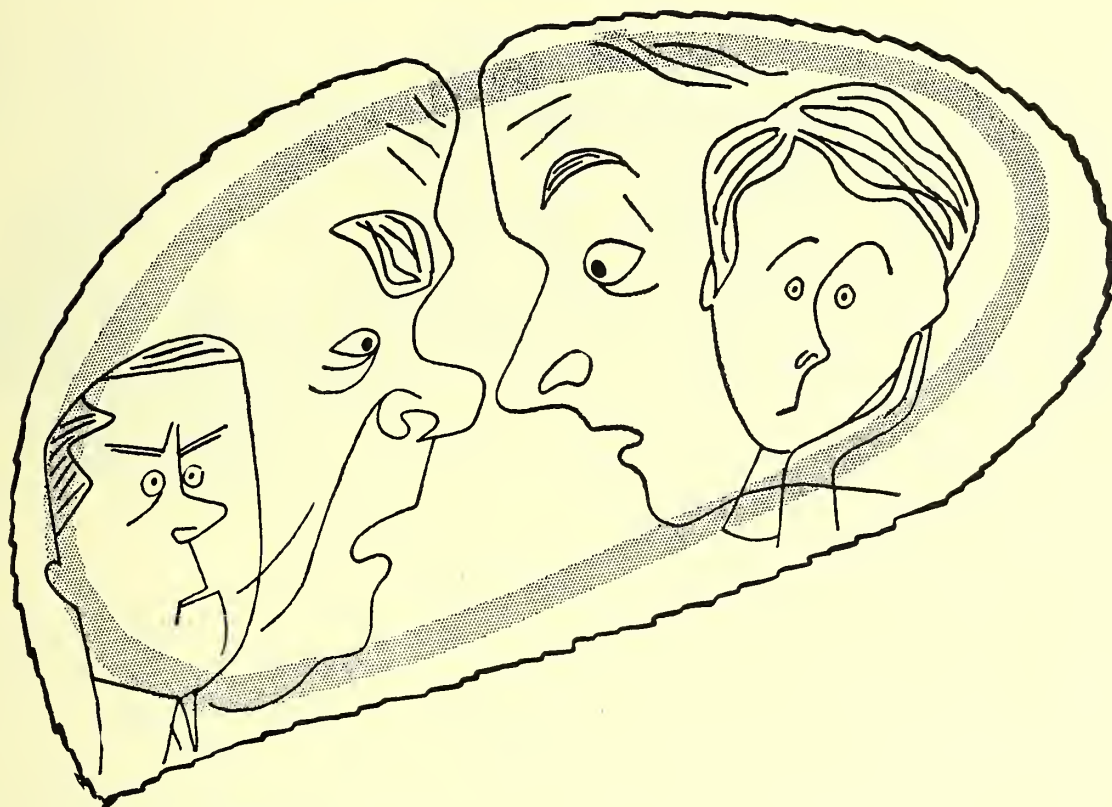
*Preferred by*

*Discriminating Customers*

H. BRONNLEY & CO. LTD., LONDON, W.3







**for the liverish**

Whenever a biliary stimulant is required, in cases of 'bilious attack' or constipation, you can recommend Veracolate with the utmost confidence.

To do so, of course, you must have Veracolate in stock.

**Veracolate**  
TRADE MARK

No Warner preparation has ever been advertised to the public.

Veracolate is available in bottles of 50 and 100 tablets, at 3/11 and 6/7 each, inclusive of P.T.

List prices 28/6 and 48/6 per dozen, exclusive of P.T.

Dispensing bottles of 500 tablets supplied to chemists at 15/- each, not subject to P.T.

WILLIAM R. WARNER & CO. LTD., Power Road, London, W.4.



# TAN-GLO

THE VELVETY—

EASY-ON-THE-SKIN

## SUN TAN CREME

New, fresh stocks of this  
successful line are now  
available.

*Write to us for a sample tube.*

Excellent Formula

Modern Pack

**ARTHUR H. COX & CO. LTD.**

Manufacturing Chemists since 1839

**BRIGHTON · ENGLAND**

CARTONED TUBES PACKED  
IN SHOWOUTERS OF 1 DOZEN

Price 9/6 per dozen tubes  
Plus 90% P.T.

GROSS ORDERS AT 9/- PER DOZ.

DISPLAY MATERIAL AVAILABLE

### New!

LATEST ADDITION  
TO THE "BELLINA" RANGE

*"Bellina Heart"*

HAIR BEAUTY BUCKLE

Ahead of all others "BELLINO" now offer their latest design in hair beauty buckles—the 'Heart'—an attractive adornment that can't fail to captivate the hearts of all women. Supplied in a wide range of beautiful pastel shades.

**Also Available** the "Bellina Twins" a pair of miniature heart-shaped buckles. Ideal for children and adults alike. Can be worn singly or as a pair.

Immediate delivery is guaranteed on all "Bellina" Buckles and at a price specially reduced for Easter and summer trade.

As always "Bellina" sales are backed by this attractive pallet showcard.

—Don't delay, place your order today!

Available from all leading wholesalers.

Sole Manufacturers:

**BELLINO NOVELTIES, 13 BOOT STREET, LONDON, N.1.**

Telephones: BIS 2010, SHO 7404







# Oh, gentle-natured Al Borak!

Borax was named long before its true pharmaceutical value was realised. Its bright white crystals were known to the physician, Rhazes of Basra, well over a thousand years ago as "Baurak."<sup>1</sup> The same word was applied to the fabulous, glittering Al Borak, a "flying horse" of Arabian legend. Since then, use and research have added household familiarity to an almost legendary name.

Boric acid, obtainable from borax, has become one of the safest and gentlest antiseptics known, for use in talcs, in dressings, in ointments and optical solutions, and it discourages the growth of bacteria and fungi. Medical science has constantly expanded and improved on the traditional uses of the past two hundred years. Today, boric acid is especially recommended for soothing and detergent mouth-wash solutions<sup>2</sup> and tablets<sup>3</sup> and emollient gum lotions.<sup>4</sup> Properly applied, boric acid will continue to maintain the high place it has held in therapeutics and cosmetic manufacture for many years.



1. Beckmann's History of Inventions, IV 529, 1814.
2. Goodrich, H.P. & Way, G.L., 1940, British Medical Journal, 769.
3. Chemist & Druggist, 1947, No. 3510, 629.
4. Pharmaceutical Recipe Book, American Pharmaceutical Association, 1932.

## 20 MULE TEAM BORIC ACID & BORAX

**BORAX CONSOLIDATED LIMITED**

BORAX HOUSE • CARLISLE PLACE • LONDON • S.W.1

VICTORIA 9070



20 Mule Team Registered Trade Mark

Hundreds of thousands who were travel sick last year on land, sea and in the air, need never suffer that discomfort again

because this year you will be able to give them their

**'SEA-LEGS'**

TRADE MARK





**'SEA-LEGS'***12.5 mg. tablets meclozine dihydrochloride***for the prevention of travel sickness  
by land-sea-air**

Here is the travel sickness remedy you can confidently recommend to *any* of your customers! Meclozine represents a real advance in the prevention of travel sickness on land, sea or in the air.

**A more-than-seasonal line**

In thousands of homes travel sickness is a year-round problem—the majority of sufferers are among children travelling daily to school, and adults journeying to and from their work. In millions more homes there is a vast demand for an effective remedy during the holiday months. SEA-LEGS will bring relief to countless sufferers throughout the country!

**24-hour protection**


SEA-LEGS will not cause dry mouth, blurred vision, or other unpleasant side-effects. They are completely safe for children of all ages (one tablet is the dose for children 1 to 12 years)—and one dose will give protection for 24 hours. Each attractive plastic dispenser case contains 16 tablets—eye-catching display outers and matching showcards are available. SEA-LEGS may be sold by pharmacists without restriction.

**PRICES: PHARMACISTS 1/8 RETAIL 2/6***Exempt from Purchase Tax**For further details**see special edition of B.D.H. Information.***'SEA-LEGS'**

TRADE MARK

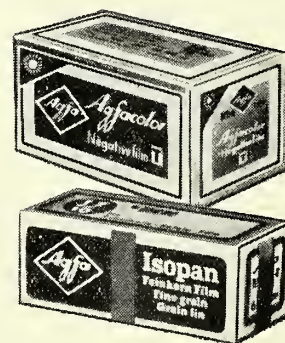
**will be intensively  
advertised in the  
national press  
and women's  
magazines, plus  
commercial television  
participation.**





**Agfa** ★ photographic products of world renown

Everything the amateur photographer requires; miniature and roll film cameras at all price levels, flash outfits, accessories, cine equipment, black & white and colour films, cine films, photographic papers, developers, and many other photographic essentials, are produced by Agfa, who have gained a world wide reputation as a result of their epoch-making progress and quality products. In particular the achievements of Agfa in the field of colour photography are specially noteworthy. The Agfacolor process for paper prints and transparencies has stood the test for many years and meets the highest demands in regard to faithfulness of colour reproduction and brilliance.



★ Registered Trade Mark  
Proprietors: Agfa A.G.,  
Leverkusen-Bayerwerk



**famous the world over serving 132 countries**

AGFA LIMITED 27 Regent Street · London · SW1 · REGent 8581/4



This is **THE PACK** for  
**YOUR** dispensary

## SPECIAL PARCEL

12 BOXES OF SUPPOSITORIES SENT

## POST FREE!

to your address and charged through YOUR USUAL WHOLESALER

E.G. 6 Boxes of Suppos. Bism. Subgall. 6 Boxes of Suppos. Bism. Subgall. Co.

Manufactured and Packed in the Laboratories of:

# RICHARD DANIEL & SON LTD.

MANSFIELD ROAD, DERBY, Tel. 40671 (8 lines) and at GROSVENOR STREET, ASHTON-U-LYNE, Tel. 2816 (3 lines)

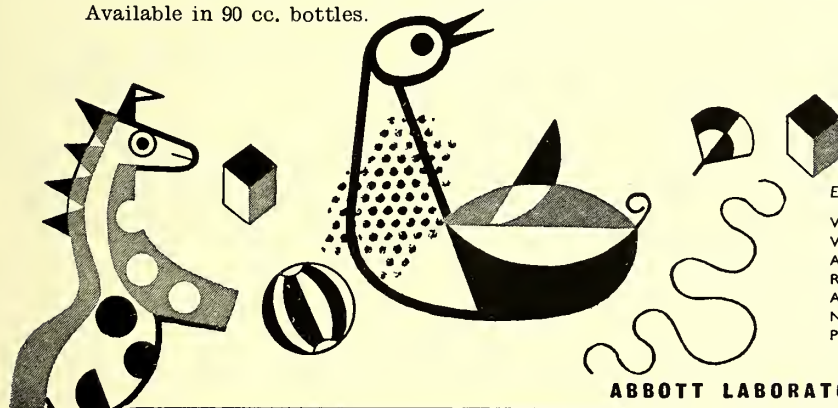


## He's heard the call... for VI-DAYLIN

TRADE MARK

AT VITAMIN TIME it's never a problem to get children to take VI-DAYLIN. This pleasant vitamin supplement can be added to milk or juices, or given direct from the spoon. VI-DAYLIN has a carefully balanced formula . . . has no objectionable odour . . . will not stain clothes . . . and is stable at room temperature.

Available in 90 cc. bottles.



Each 5 cc. of VI-DAYLIN contains:—

Vitamin A	3,000 i.u.
Vitamin D (Viosterol) B.P.	800 i.u.
Aneurine Hydrochloride B.P.	1.5 mg.
Riboflavine, B.P.	1.2 mg.
Ascorbic Acid, B.P.	40 mg.
Nicotinamide, B.P.	10 mg.
Pyridoxine Hydrochloride	0.5 mg.

ABBOTT LABORATORIES LIMITED • LONDON

**F**rom 1st April 1957  
the products of  
Menley & James and  
Smith Kline & French  
will be sold through  
the parent Company

**SMITH KLINE & FRENCH LABORATORIES LTD.**

*Please address all enquiries to*



SMITH KLINE & FRENCH LABORATORIES LTD.

120 Coldharbour Lane, London SE5

(telephone Brixton 7722)



# We're telling your customers to look for this marking



*Remember*  
**PF** means  
**'PHOTOFLUX'**

Only Philips 'Photoflux' flashbulbs bear a PF marking. These include the 'Capless' type which were invented and developed by Philips. We're reminding your customers of this fact in all our current publicity. It will help to entrench 'Photoflux' 'Capless' even more securely in their position of top-selling flashbulbs. Ensure that your stocks of 'Photoflux' PF.1 and PF.5 are sufficient to meet the ever-increasing demand.

PHOTOFAIR EXHIBITION,  
Olympia, 11th-17th April  
*We shall be glad to see our trade friends  
at the 'Photoflux' Stand No. 62.*



PHILIPS ELECTRICAL LTD.,  
S.L.D. Lighting Division, Century House,  
Shaftesbury Ave., London, W.C.2.

"PHOTOLITA" — PHOTOFLOOD LAMPS. DARKROOM SAFELIGHT LAMPS. "PHOTOCRESCENTA" — ENLARGER LAMPS. PROJECTOR LAMPS  
(PP2023)

# Just out!



## a new trump card – 28 aces high!

**Why this card is a winner.** The Kelly Grip is all set to get ahead in a very big way. Reason? The new bumper card which offers women a *complete pin-up for just 6d!* 28 grips for 6d.—twenty-eight strong, beautifully springy grips, with smooth, rounded ends for comfort. That's real value—the sort of value all women go for without fail.

**Good marks for looks.** And it's not only the value they'll like: complete with its Barbara Kelly study, this card is as pretty a decoy duck as ever drew a woman's eye to the counter.

**Blowing the Kelly trumpet.** The new giant card will be introduced in the national press, and in important magazine publications. The impact of frequent insertions is going to make women say 'Kelly grips please', when next they buy hair grips.

**Your turn to play.** The manufacturers have dealt you a trump card. There's plenty of profits in the kitty. It's up to you to collect your winnings. So stock up now with the Kelly Grip—the grip that's going to be in the news all over the country.

**28 Card for 6d. 12 Card for 3d.** by makers of the famous Witch Hair-pins.

# the Kelly Grip

WHITECROFT PIN MANUFACTURING CO. LTD. WHITECROFT, GLOUCESTER.





**BEST FOR BABY**  
and

**BEST FOR  
SALES**

*Ingram's*

## Teats and Soothers

Approved by Nursing and Clinical authorities and known by name to mothers everywhere INGRAM'S Feeding Bottle Teats are top sellers in their field. The range includes our exclusive Patent SPIRAL BAND Teat with special safety grip feature and our standard "PERFEX" Latex Teat and the "PERFEX" Soother. Every teat is made to Ingram's high standard from finest quality sterilisable rubber and is guaranteed shape and flow-perfect.

Prices are competitive and offer a generous margin of profit. Attractive counter and window display material further simplify selling. Prepare to do big business with INGRAM'S by ordering your stocks **now!**

**The most competitive branded teats,  
offering unsurpassed value.**



**INGRAM'S  
PATENT  
SPIRAL TEAT**

Available in 4 distinct shapes packed in attractive display cases of 1 dozen.

RETAIL PRICE

**6<sup>D</sup>**



**INGRAM'S  
STANDARD  
'PERFEX' TEAT**

Packed in hygienic cellophane envelope and mounted on attractive display card.

RETAIL PRICE

**4½<sup>D</sup>**



**INGRAM'S  
'PERFEX' SOOTHER**

With Latex Teat. Packed in hygienic cellophane envelope and mounted on counter display card.

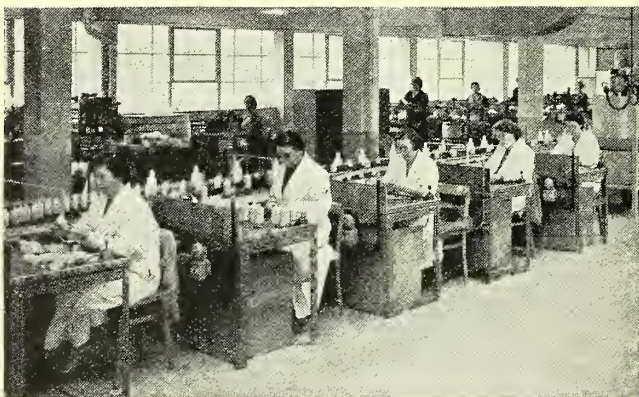
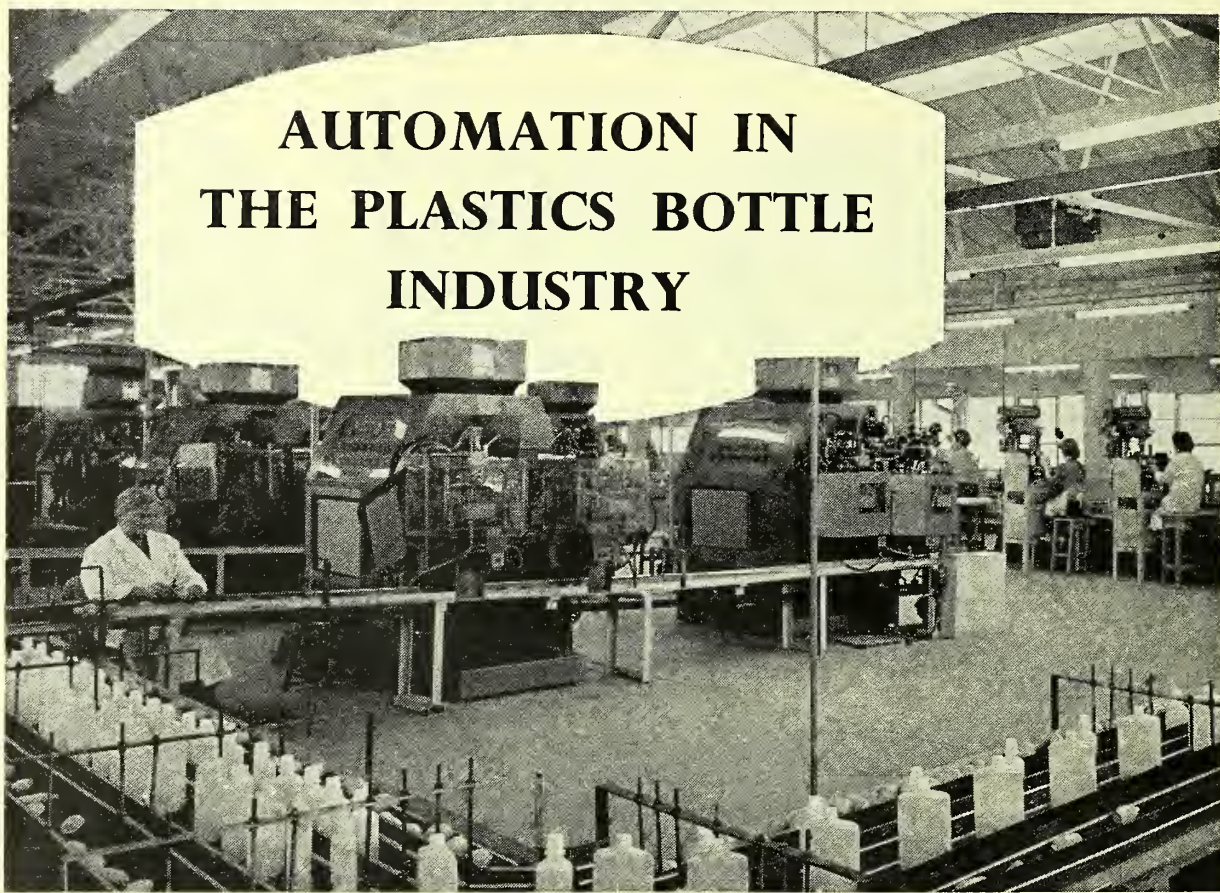
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**6<sup>D</sup>**

OBTAINABLE ONLY FROM YOUR USUAL WHOLESALER. IN CASE OF DIFFICULTY WRITE TO:  
**J. G. INGRAM & SON LTD., HACKNEY WICK, LONDON, E.9.**



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POLY-TAINER PROGRESS at our new factory at South Ruislip. Modern plant, fully automatic machinery together with our 'know-how' combine to give you the very best in Polythene and Nylon bottles.



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Manufactured by E. Shipton & Co. Ltd., Ferndown Works, Northwood Hills, Middx. • Tel. Pinner 1103-5 (P.B.X.)





## ALL-BRITISH CORTICOSTEROIDS

are manufactured in Nottingham in the most up-to-date corticosteroid plant in Europe. The following is a comprehensive list showing Boots full range of corticosteroid preparations.

# Deltastab

(Prednisolone)—Tablets of 1 mg. Bottles of 30, 100 and 500.

Tablets of 5 mg. Bottles of 30, 100, 500 and 1,000.

## PREDNISONE

Tablets of 1 mg. and 5 mg.

Bottles of 30, 100 and 500.

## CORTISTAB

(cortisone acetate)

Tablets. Injection.

Eye Drops.

Eye Ointment.

## HYDROCORTISTAB

(Hydrocortisone)

Tablets. Intrav., Injection.

Local Injection. Ointment.

Cream. Eye drops. Eye Ointment.

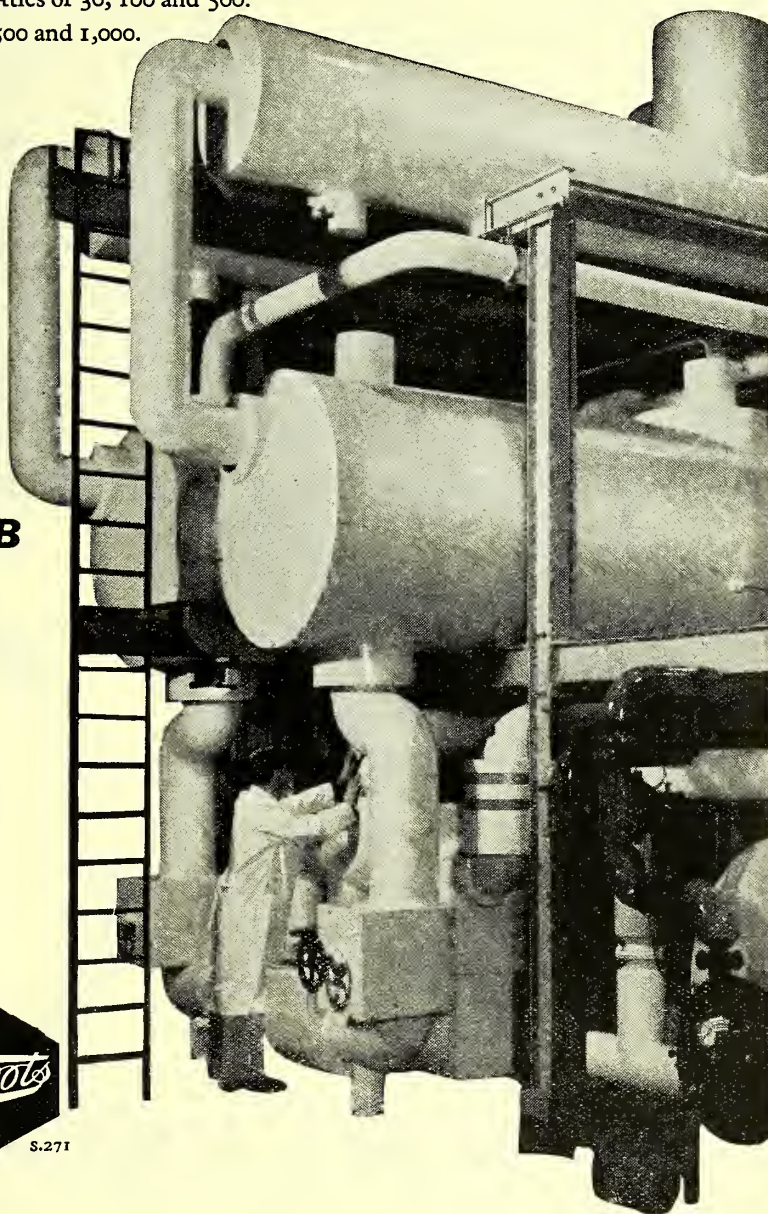
Lotion.

## HYDROMYCIN

(Hydrocortisone with Neomycin)

Ointment. Ear/Eye Ointment.

Ear/Eye Drops.



Available from your usual  
wholesaler or from wholesale division of:

BOOTS PURE DRUG CO. LTD.

STATION ST., NOTTINGHAM

Telephone: NOTTINGHAM 45501

or 71 FLEET ST., E.C.4

Telephone: FLEET STREET 0111



S.271



**Ayrtons**  
LIVERPOOL

## "3-STAR SELECTION"



### THE "ALL ROUNDER"

#### DISPLAY STAND

The most versatile pharmacy display unit, a "walk-round store" in itself. Can be used to display a great variety of goods, from hot water bottles to sunglasses. Height of stand is 5 ft. 2 in. and the trays, each with 24 sliding hooks, are 16 in. in diameter. Base finished black crackle enamel, all other parts chromium plated.

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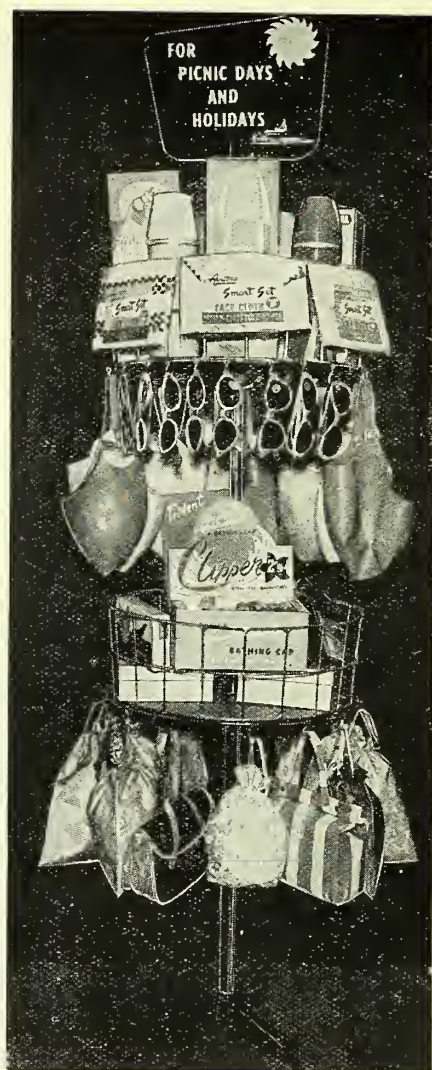
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#### "SMART SET" FACE CLOTHS

Chemists only—and the best selling packed Face Cloth of all. "Smart Set" are Lancashire-made; Ayrtons do not handle imported face cloths. Each in polythene wrapper, in colourful display outers of 1 dozen.

No. 101	10/6 per doz.	Retail 1/3
No. 201	14/6 " "	" 1/9
No. 301	16/- " "	" 2/-



**Ayrtons**

#### COUNTER SATCHELS

Capacious gusset bags in an exclusive Ayrton design, in blue/red, or green/red, strung in 100's, packed in 500's

No. 1 4" x 5½" x 7½"

No. 2 5" x 7" x 9½"

1000 5000 10,000

No. 1 12/- 11/9 11/6 per 1000

No. 2 17/6 17/- 16/3 " "

**AYRTON SAUNDERS**

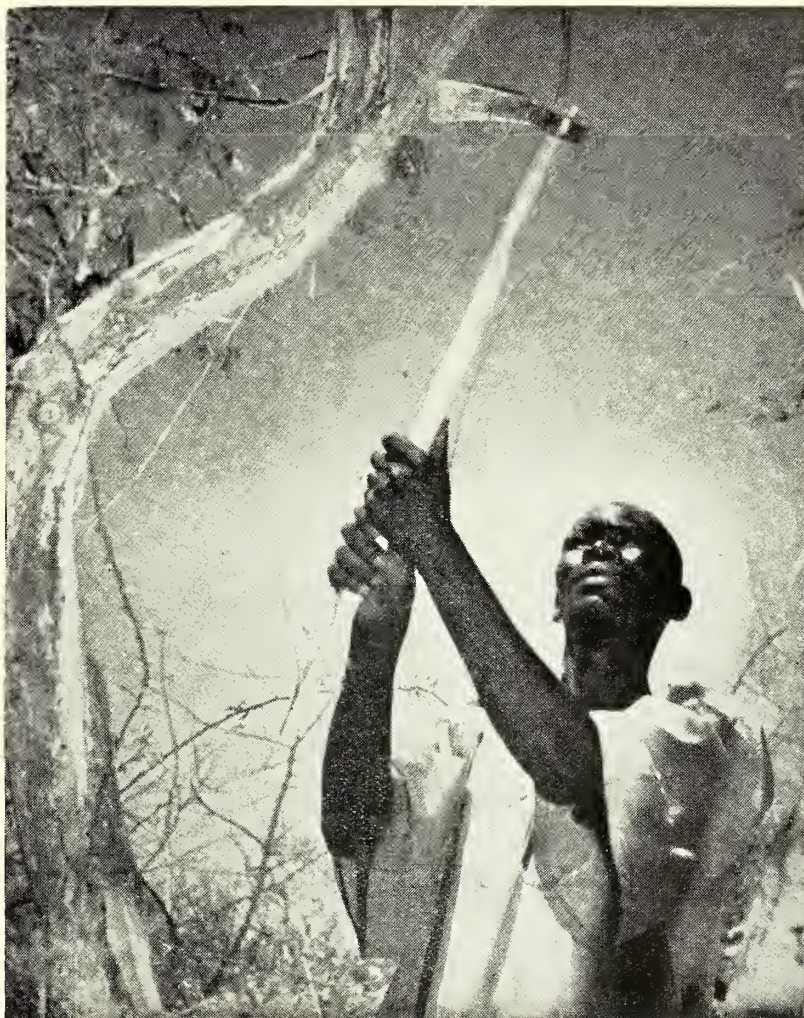
& CO. LTD.

HANOVER STREET · LIVERPOOL

Telephone Royal 8282



*There's  
far more  
to it  
than  
this!*



*The tapping and splitting operation.*

*(Photograph by courtesy of Sudan Government Agency)*

## GROUND GUMS

There are many steps between the collection of gums under necessarily rather crude native conditions, and the final Stafford-AllenS product, standardised under strict laboratory control.

Whatever your requirements in Tragacanth, Acacia, Karaya, ask our Gums Dept. to quote you for a uniform product carefully selected to meet your individual requirements.

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ACACIA  
KARAYA**

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**ORDER FROM**



**STAFFORD ALLEN & SONS LIMITED**

**WHARF ROAD, LONDON, N.I.**

**Telephone: CLerkenwell 1000 (7 lines)**



**Golden Jubilee**

# EVER-READY INTRODUCES RAZOR EVER-THE 'NATURAL ANGLE'

THE NEW "Natural Angle" Razor has had a sweeping success in America where it was first designed and tested. Now! Ever-Ready are producing the "Natural Angle" Razor in this country!

Because it shaves at a *closer* angle to the stubble, the "Natural Angle" Razor offers a new, *better* way of shaving! Millions of potential customers throughout the country will learn about it through Ever-Ready's tremendous advertising campaign and arresting displays.

**SPECIAL OFFER!** Linked with the introduction of this new razor is Ever-Ready's Golden Jubilee Year Celebration Offer of 14 razors to the dozen!

Wonderful new razor! Nation-wide advertising! Big Celebration offer! Arresting displays! They all point to bigger profits for you than ever before!



**EverReady**

## 'Natural Angle' Razor

In handsome travel case with sprung lid. Complete with 5 Ever-Ready "Corrux" blades. Retail price 7/6d.

All users of this new razor are covered by a life-time guarantee of free service or replacement.



Wilee Year

# CE THE GREATEST URAL ANGLE' RAZOR

## Celebration Offer

### 14 RAZORS TO THE DOZEN!

**DEAL NO. 1** 14 razors at 50/- plus 15/- p.t.  
This deal gives you a total profit of 40/- on an outlay of only 65/-! That means you're getting an extra 15/- profit with every Deal No. 1 you make before May 1st.

**DEAL NO. 2** 7 razors at 25/- plus 7/6 p.t.  
This deal gives you a total profit of 20/- on an outlay of only 32/6! That means you're getting an extra 7/6 profit with every Deal No. 2 you make before May 1st.

*Win maximum benefit from this special offer by ordering stocks and displays now!*

**ORDER FROM: Ever-Ready Razor Products Limited, 26-28 Bedford Row, London, W.C.1—**or through your usual wholesaler.

PRECISION  PRODUCTS

**222,508,138 ADVERTISEMENTS**

**for the new 'Natural Angle' Razor!**

Big, attention-winning advertisements for the new "Natural Angle" Razor will be appearing from April and will continue throughout the year! They will be seen in 7 mass circulation newspapers plus "Radio Times" and 3 top men's-interest magazines.

- DAILY EXPRESS
- DAILY MAIL
- DAILY MIRROR • PEOPLE
- NEWS OF THE WORLD
- SUNDAY PICTORIAL
- SUNDAY EXPRESS
- RADIO TIMES
- JOHN BULL
- PICTURE POST
- ILLUSTRATED

**ON TV TOO! From all ITV stations throughout May!**

Ring up  
bigger sales  
with these  
free displays!



Ever-Ready's free display material will ring up bigger, faster sales for you! Make maximum use of these high-impact displays—they'll let everyone know you stock the wonderful new "Natural Angle" Razor!

**Multiple Display Stand  
Single Display Stand  
Counter Showcard • Shelf Showcard  
Window Display Piece**

# The Barnet

## FREE

### "Double Turn"

## SUNGLASS DISPENSER

Double revolving panels · Displays two dozen pairs  
 Compact for space saving · Unique plastic holders  
 Adjustable viewing mirror

Supplied free with every 6 dozen of a wonderful assortment of Barnet sunglasses in eleven styles to suit all tastes and pockets. New fashion models, new effects, classic styles, all incomparably good value, priced from 2/9d. to 8/9d.



**No. 1215**  
 A stylish model with striped metallic colours. A sure seller at only 3/3d. retail.



**No. 1209**  
 1957's top fashion sunglasses with leather effects inlaid on a shapely metal hinged frame. Sells at 6/6d.

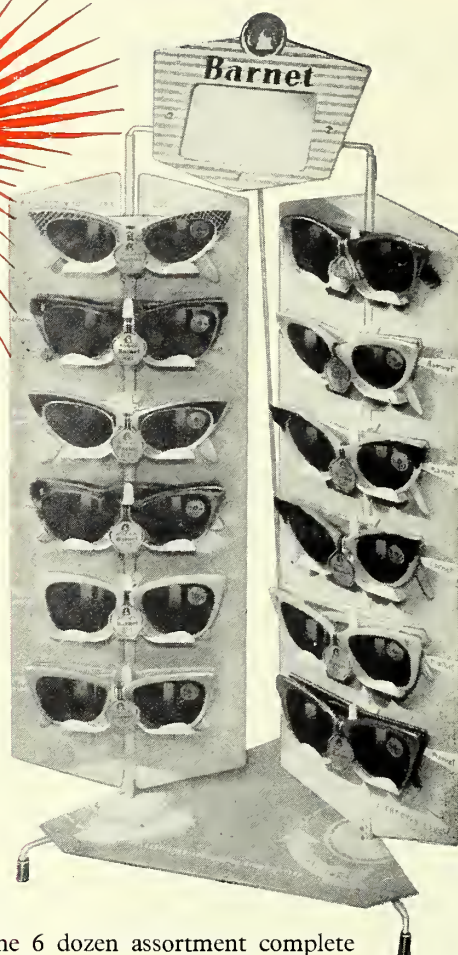


**No. 1210**  
 A beautifully finished metal half-frame with shatterproof lens. First in its class at 7/6d.

*Above are just three examples from the eleven models—*

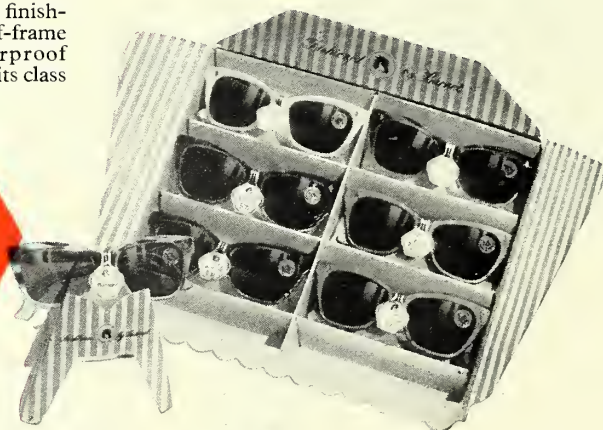
**REFILLS** of all lines are supplied in 1 dozen optional dispenser packs. **SPECIAL 2 DOZEN REFILL** assorted over all eleven styles costs 76/6d; retails £5.14.10d.

*Ask your wholesaler for full details*



The 6 dozen assortment complete with the FREE "Double-Turn" Dispenser:—

**Costs the retailer £11.9.8d.**  
**Retailers turnover £17.4.6d.**



## Step up your sun sales with Barnet

*Manufactured by (wholesale only):—*

**E. R. HOLLOWAY LTD · BESSEMER RD · WELWYN GARDEN CITY · HERTS**

**Phone: Welwyn Garden 4444**





*If personal service and faultless  
workmanship are required*

**U·M·P**

*is the answer*

*Have you contacted  
U·M·P PLASTICS for  
your requirements in  
MOULDED PLASTIC CONTAINERS?*



*For Tubes  
and Plastics*

WHY NOT TRY THE  
U·M·P  
WADLESS CLOSURE?

- NO LOOSE CAPS  
AFTER FILLING
- A PERFECT CLOSURE

Tru-gel tubes are supplied with  
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shoulder.

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SALFORD 6 LANCs.

Telephone: PENDLETON 4444

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## a new 'Name for Nitrofurans'



The Nitrofurans have made great contributions to the control of many costly diseases: coccidiosis, fowl typhoid, pullorum disease (BWD), blackhead, salmonellosis, hexamitiasis, necrotic enteritis — the list grows longer every year. Their immense potentialities merit the backing of a world-wide research and development programme such as only a large-scale organisation can provide. This has now been arranged.

**From 1st April 1957 A. J. White, Limited will be called  
SMITH KLINE & FRENCH LABORATORIES LTD.**

The whole range of 'Nefco' and 'Neftin' products will in future be sold by Smith Kline & French Laboratories Ltd.

*The change of Company name involves no change of staff or policy. But larger resources for research and development mean more and better Nitrofurans for Veterinary Medicine throughout the world.*



THE NAME FOR NITROFURANS

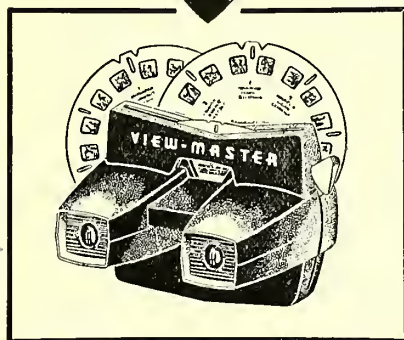
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Coldharbour Lane, London SE5

Phone Brixton 7722



**BEST SELLERS!**



**THE WONDERFUL  
3-D FULL COLOUR REELS FOR**

**VIEW-MASTER®**


**THE ORIGINAL STEREOSCOPIC VIEWER**

All over the world the breathtaking realism of VIEW-MASTER full-colour stereoscopic reels is making all-year-round sales records. That's because VIEW-MASTER precision products are in a class by themselves . . . and the true to

life colourful 3-D reel library covering hundreds of subjects, with new titles being regularly added, is unique. See VIEW-MASTER for yourself at the Photo Fair. We look forward to welcoming you.

**SEE VIEW-MASTER® STAND 59 AT THE PHOTO FAIR**

**YOUR PROFITS SEEN**



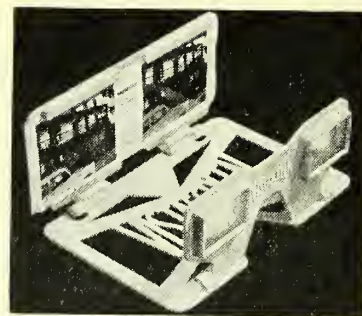
**VISTASCREEN**

**IN**

**VISTASCREEN**

for deep, vivid, startling 3-dimensional views

STEREOSCOPIC VIEWER **2/6** SET OF TEN 3-D PHOTOS **2/6**



To help you sell this sensational line faster than ever, come brilliant eye-catching 4-colour showcards. There's one designed especially for your town.

Order from your  
**wholesaler NOW!**

**THE VISTASCREEN  
COMPANY LIMITED**

16 Soho Sq., London, W.1.

Tel: COVent Garden 3333

(A Member of the Capital Group of Companies)

**NEW**

**NATIONAL**

**ADVERTISING**

**FOR LIQUID**

**O·DE·DENT** REGD.



**ONE MINUTE DENTURE CLEANSER**

● **NEW NATIONAL ADVERTISING will appeal to 18 MILLION purchasers every month.**

**ADVISED BY DENTISTS...**

and answering a growing demand by men and women who find the "soaking" method unattractive and embarrassing.

**SELLING FACTORS OF O·DE·DENT ONE MINUTE MAGIC**

- It removes stubborn stains in one minute.
- As a daily freshness routine—instant action.
- Safe and pleasant to use.
- Economical if used as directed.

Neat, saleable bottle. Attractive blue and white stripe label.

RETAIL PRICES: 1/9 Trial size, 2/8½ Large Size.

PRICES TO RETAILERS  
1 oz. 11/- PER DOZ. } + 30% P.T.  
2 oz. 18/- PER DOZ. }

This gives 33½% profit to Chemists.

★ **ORDER NOW FROM YOUR WHOLESALER**

**THE ODE·DENT COMPANY, WALTON-ON-THAMES**

**A NEW 'Eesiness' PRODUCT**

**"Vernon"**

**LIGHTWEIGHT NYLON  
ELASTIC YARN SURGICAL  
STOCKINGS. N.H.S.**

- **CLOSED TOES** 8½", 9", 9½", 10" and 10½" in foot sizes
- **OPEN TOES** in sizes Small, Medium and Large
- Special finish with **extensible nylon** giving a modern matt appearance and exceptional comfort
- Closed toe type may be worn with or without overstocking
- Conforming to N.H.S. specification and available for supply against E.C.10 forms

Each pair packed in attractive cellophane envelope and in outer boxes of six pairs.

**TRADE PRICE  
35/6 per pair**

Wholesale terms on application

**E. SALLIS LTD.**

**VERNON WORKS · BASFORD · NOTTINGHAM**

Phone: NOTTM. 77841/2

Grams: "EESINESS"

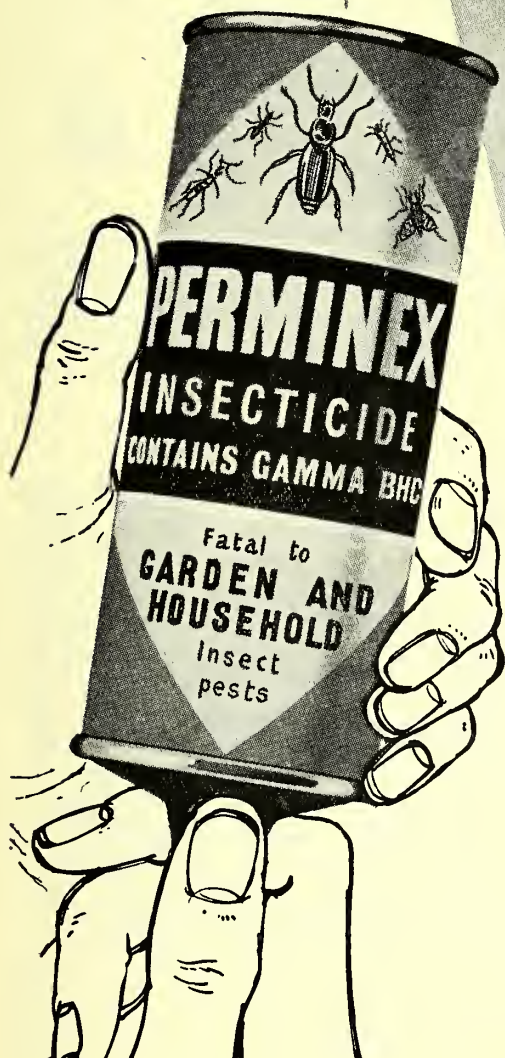


# PERMINEX

**CONTAINS GAMMA B.H.C. OR D.D.T.**

For pest control in the home  
and the garden.

*Bonus of 5%*



This extra discount is applied to all orders for PERMINEX Insecticide, either Gamma B.H.C. or D.D.T., received by the end of May, 1957.

Attractive retail price — 1/6d. per tin. The basic trade price (showing generous profit of 33 $\frac{1}{3}$ %) is 12/- per dozen tins. The minimum carriage paid order is one case containing two dozen tins Gamma B.H.C. or D.D.T.; we have no assorted cases.

Cash in on these generous terms, and send your orders without delay to SCOTT & TURNER LIMITED, ANDREWS HOUSE, NEWCASTLE UPON TYNE, 1.

Users of insecticides have been quick to realise the outstanding advantages of the PERMINEX packs, which fulfil the essential requirements demanded by the trade and public alike.

They are economical in use, attractively packaged and can be stored with safety; there is no fear of deterioration, and they give a good margin of profit.

A patented blower fixed in the bottom of each tin operates by simple pressure and delivers the powder finely over a flat surface or direct into crevices and holes.

These are the reasons why PERMINEX has established itself as a leading seller.

**SCOTT & TURNER LIMITED**  
ANDREWS HOUSE · NEWCASTLE UPON TYNE, 1



# Millions of KAY'S flycatchers are sold each Summer

**EXPERIENCE** proves there is no better way of catching flies

Proved over the years, more and more people are returning to the foolproof method of flycatching.

- ★ Shiny and attractive to flies, Kay's Flycatchers capture them by the hundred.
- ★ Hygienic—traps them and holds them fast for good.
- ★ Reinforced with D.D.T.
- ★ Guaranteed to remain fresh in store.
- ★ Supplied in eye-catching display boxes.

*There's plenty of profit for YOU*

**Honeypot and Viper**  
**FLYCATCHERS**

Order NOW from your usual wholesale supplier or direct from

**KAY BROTHERS LIMITED · REDDISH · STOCKPORT**

Selling price to public 3d. each

## TO RETAILERS

### HONEYPOT

Under 3 gross ... 27/- per gross  
3 gross and over ... 24/- per gross

### VIPER

Under 3 gross ... 28/- per gross  
3 gross and over ... 25/- per gross

so... Stock up NOW and ensure that this Summer is a record Sales Success with this rapid turn-over line.

T14A

## Detensyl

**Vegeto-Polyhormonic Hypotensor**

*The recognised treatment in conditions  
requiring the lowering of arterial tension*

**D**ETENSYL is another of the M.B.L. preparations which has been accepted by doctors in many countries. In various indications associated with blood pressure, regular administration restores normality. A small, periodic dosage is recommended for maintenance.

DETENSYL contains mistletoe, liver, pancreas and lung substances. More than a palliative, it re-educates the endocrine glands, allowing them to resume their regulation of the arterial tension.



### INDICATIONS

Conditions frequently associated with blood pressure, such as **Menopausal Disturbances, Arteriosclerosis, Sclerosis of the Kidneys, Persistent Cephalalgia, Arthritis and Auditory and Ocular Troubles**, respond to DETENSYL therapy and almost inevitably disappear with the lowering of arterial tension.

**MEDICO-BIOLOGICAL  
LABORATORIES LTD.**

CARGREEN ROAD, SOUTH NORWOOD, LONDON S.E.25

PB 25



Rx  
DQV

*The easily written, easily remembered contraction for*

**Acid-Stable ORAL Penicillin**

**'Distaquaine' V**

trade mark

*Crystalline penicillin V, free acid*

**DQV TABLETS**

Each tablet contains  
60 mg. penicillin V  
Bottles of 30, 200 and  
1000

**DQV ELIXIR**

Each dose ( $\frac{1}{2}$  fl.dr.) con-  
tains 30 mg. penicillin V  
Bottles of 2 fl. oz.  
(30 doses)

**DQV SULPHA**

Each tablet contains  
60 mg. penicillin V  
0.30 gm. sulphadimidine  
0.14 gm. sulphamerazine  
Bottles of 30, 200 and  
1000

**DOSAGE**

*Adults:* 60 mg. or more every four hours

*Children:* Half the adult dose

*Manufactured by*

**THE DISTILLERS COMPANY (Biochemicals) LIMITED**

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*owners of the trade mark 'Distaquaine'*

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RAINCHEQUE HOUSE, LAMBETH, LONDON, S.E.11

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**CASH IN TODAY — the TURKOBATH way**

### Armour's NEW Gentle Tranquillizer



**FOR  
MILD ANXIETY  
STATES**

NITENSAR acts within 20 minutes to produce smoothly deepening and relaxing calm—without any aftermath of 'dopiness'—because of the therapeutic efficiency of combining closely related drugs in small total doses.

**NITENSAR**  
Regd. Trade Mark

Each NITENSAR tablet contains reserpine 0.1 mg.; quinalbarbitone sodium and pentobarbitone sodium 12.2 mg. each; and buta-barbitone sodium and phenobarbitone 4.0 mg. each.

Available in bottles of 50, 100 and 1000 tablets.

**THE ARMOUR LABORATORIES**  
(Armour & Company Ltd.)  
**HAMPDEN PARK, EASTBOURNE, ENGLAND**

Telephone: Hampden Park 740  
Telegrams: Armolab Eastbourne

## MEGALON BRAND

**CRUDE INJECTABLE  
LIVER EXTRACT**

*available in various strengths  
in bulk, vials and ampoules*

**INJECTIONS and MEDICINAL  
TABLETS in a WIDE RANGE**

Manufactured by:—

**ANTIGEN LTD., ROSCREA, EIRE**

Please address enquiries to:—

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BEXLEY, KENT**



**1957  
will be  
a  
bumper  
year  
for  
'SAXIN'  
sales**



Just mail this coupon to  
Burroughs Wellcome & Co.,  
183 Euston Road, London, N.W.1  
for a free sample of 'Saxin'.

When signs say  
**'DIET!'**  
Life can still  
be sweet with  
**'SAXIN'**

Even if you're a 'sweet tooth'  
you can still follow a strict,  
keep-slim sugarless diet—  
with 'Saxin'.  
'Saxin' is the sweetener  
that leaves no bitter taste.  
One tablet is equal to a  
large lump of sugar with,  
of course, no danger  
to your waistline.

**FREE SAMPLE OFFER**

NAME .....

ADDRESS .....

**'SAXIN'**

TRADE MARK

 **A BURROUGHS WELLCOME PRODUCT**

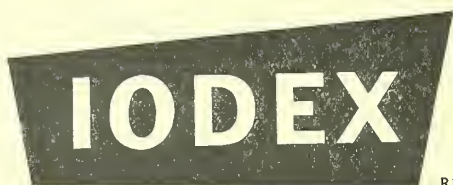
4624

The biggest-ever advertising campaign for 'SAXIN' will be launched this spring. National newspapers, Women's magazines and Commercial T.V. will offer free samples of 'SAXIN', the sugar substitute for waist-line reducers.

We are prepared for a big response—make certain that you are stocked-up to meet the demand that is sure to follow the advertising. Send your order now. Ask our representative for full details of show material available.



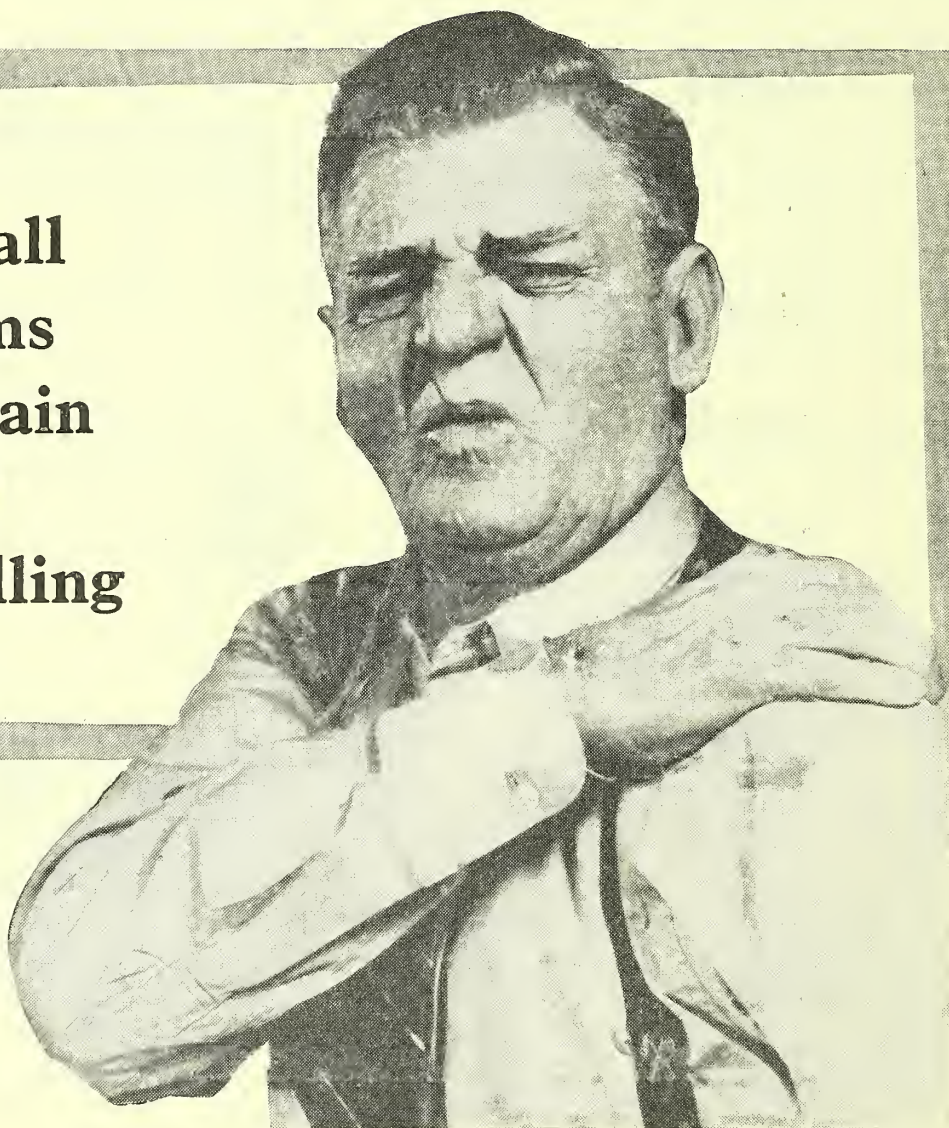
**BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON**



*the iodine ointment*

REGD.

**for all  
forms  
of pain  
and  
swelling**



WELLCOME INSTITUTE LIBRARY	
Coll.	WelMOMec
Coll.	
No.	

*In 1 oz. tubes (Retail Price 3/3 each) and 4 oz. jars (Retail Price 9/2 each)*

Menley & James, Limited, Coldharbour Lane, London SE5 Tel: BRIXton 7722



# E. Illingworth & Co. (Bradford) Ltd.

## Cotton Wools

B.P.C. QUALITY COTTON WOOLS  
HOSPITAL QUALITY COTTON WOOL  
(Drug Tariff)

Sterilised and Unsterilised in all weights, for  
Home and Export.

Quantities labelled with  
your own labels.

\*COTTON WOOL DISPENSER  
(Pleated filling. Attractive Pack)

BOTTLE NECK WOOL, FILTER PADS  
WOOL AND COTTON TISSUE B.P.C. Quality  
RESPIRATOR REFILLS  
KNITTED BANDAGES

## Packing Materials

### NEEDLELOOM FELTS

for thermal, sound and vibration insulation  
and protection.

### Cotton Wools

Bleached and Unbleached Rolls from  
2 in. to 40 in. wide, weights 3 oz. per  
sq. yd. upwards.

*\*Only as much as is  
needed is pulled out  
at a time!*

### Illmond Cotton Wool Dispenser Pack

Package has tuck-in  
ends and can be re-  
sealed. Hygiene en-  
sured. Elegant design  
of pack makes it  
perfect for a lady's  
dressing table.

E. ILLINGWORTH & CO. (BRADFORD) LTD.

Shelf Mills, Shelf, Halifax

Tel : Bradford 76261-9

Grams: "Illmond" Bradford



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and  
all sections of the drug, pharmaceutical and  
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland*

Volume 167

April 6, 1957

No. 4024

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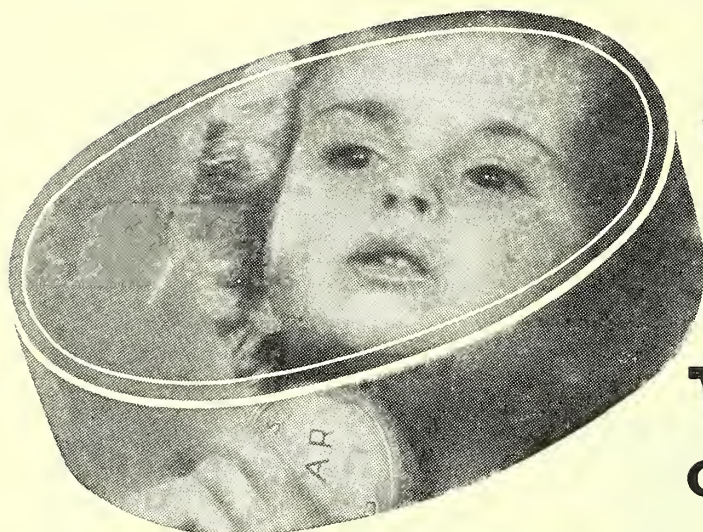
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# The CHEMIST AND DRUGGIST

Volume 167

APRIL 6, 1957

No. 4024

## Pharmaceutical Services Costs

### LOWER ONLY IN SCOTLAND IN 1957-58?

THE Civil Estimates for the year ending March 31, 1958, published on March 29, show that the pharmaceutical services under the National Health Service in ENGLAND and WALES are expected to cost respectively £2,542,000 more and £250,000 more than in 1956-57. In SCOTLAND the cost is expected to fall by £69,000. Because of the new prescription charges the net cost to the Exchequer for each country will fall as compared with last year. The figures for the three countries are summarised in the table below:—

#### ANALYSIS OF PHARMACEUTICAL SERVICES COSTS

ITEM	ENGLAND		WALES		SCOTLAND	
	Estimate 1957-58 £'000s	Difference from 1956-57 £'000s	Estimate 1957-58 £'000s	Difference from 1956-57 £'000s	Estimate 1957-58 £'000s	Difference from 1956-57 £'000s
(a) Pharmacists						
(i) Dispensing fees and rota payments ..	13,568	1,156 less	1,046	82 less	1,528	0.5 less
(ii) Cost of ingredients and containers allowance ..	35,949	2,921 more	2,752	264 more	3,798	55.5 less
(iii) Allowance for over- heads and profit	8,631	743 more	661	67 more	904	14 less
(b) Medical and dental practitioners ..	1,845	34 more	138	1 more	122	same
(c) Health Centre services	—	—	—	—	8	0.5 more
Gross total .. ..	59,993	2,542 more	4,597	250 more	6,360	69 less
Less payments by patients	11,406	3,904 more	855	310 more	1,087	267.5 more
Net total .. ..	48,587	1,362 less	3,742	60 less	5,273	337 less

The general medical services will cost £55,978,000 in England (an increase of £1,168,000); £3,786,000 in Wales (an increase of £124,000); and £7,450,000 in Scotland (an increase of £123,000). The estimate for the National Health Service as a whole in England and Wales shows an increase of £19,864,490 to £490,607,365, and for Scotland an increase of £1,372,225 to £59,529,380. The cost in Great Britain is thus expected to be £550 millions, an increase of over £21 millions.

## Hospital Costing

#### PUBLIC PHARMACISTS' STATEMENT

THE Guild of Public Pharmacists has issued a statement on hospital departmental costing. The statement points out that since August 1956 representations have been made to the Ministry of Health about the problems of that costing as applied to pharmaceutical departments. Points raised included: (a) The difficulties of costing large numbers of small issues; work for which some pharmaceutical knowledge was required; (b) staff shortages; and (c) comments from members taking part in trial schemes. As a result of the trial schemes, further advice has been issued to finance and pharmaceutical staffs in the form of "Information Notes." The

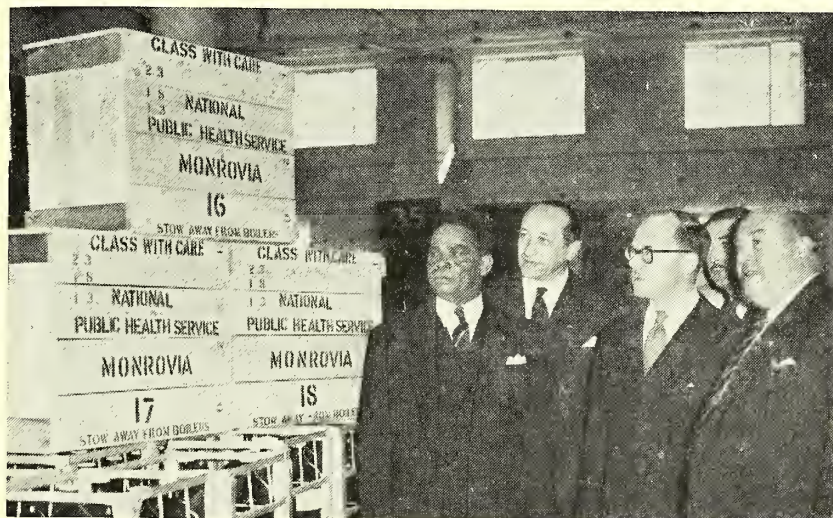
Guild urges chief pharmacists to ensure that they receive copies. Briefly, the advice is that detailed arrangements should be made locally and that, where

possible, the minor user alone should be costed, the balance being determined by difference. Neither of the methods used in the trial scheme is suggested. The Guild, though not accepting the need for such costing, agrees with the suggestion of costing only the minor user. It disagrees with the Ministry's suggestion of sample periods of one month in every four. Unless there is some significant change in either prices or issues, the Guild considers that a figure once determined should be applicable for upwards of a year. A reasonable sample period is considered to be three weeks, one per month during three months.

## Imports from Japan

#### OPEN GENERAL LICENCE AMENDMENTS

FOLLOWING the conclusion of the Anglo-Japanese trade payments arrangements (*C. & D.*, March 9, p. 253), the Open General Licence is being amended on April 25. The effect of the amendments is that all goods (with a few exceptions) which may at present be imported without an individual licence if originating in and consigned from Western European and certain other countries, may also be imported if they originate in and are consigned from Japan. Twelve new quotas have been established for import from Japan. They include: Surgical and medical dressings (£20,000). Details of the licensing arrangements are given in Notice to Importers Nos. 813 and 814 issued by the Import Licensing Branch of the Board of Trade.



AMBASSADOR AT FACTORY: During a recent visit to the Speke factory of Evans Medical Supplies, Ltd., the Liberian Ambassador (Mr. Clarence L. Simpson) saw products assembled for shipment to Monrovia for the Liberian national public health service. With him in the picture are Messrs. M. J. Smith (overseas sales director), T. J. Garner (export manager), and A. A. Pavillard (Consul of Liberia in Liverpool).



## Trade Effluents

### ANALYTICAL CHEMISTS' DISCUSSIONS

THE formulation of standard methods of analysis for aqueous liquids of different degrees of impurity was considered at a recent meeting of the Western Section of the Society for Analytical Chemistry held in Bristol. The importance of the oxygen demand particularly in regard to trade effluents, and in relation to river pollution was emphasised. It was essentially a biochemical question since the ultimate purification of the organic matter was a biological process. Apart from the theoretical calculation which could be made of the ultimate oxygen demand from a knowledge of the organically combined elements present, three methods of assessing the oxygen demand of a trade effluent were described. They were absorption from acid potassium permanganate, absorption from acid boiling potassium dichromate, and biochemical oxygen demand. Those were the tests recommended by the panel of the joint committee of the Association of British Chemical Manufacturers and Society for Analytical Chemistry. The second method was a new feature in British practice and received special attention as did also the manometric (or respirometric) procedure for biochemical oxygen demand determination.

## Biological Consultants

### ADVICE FOR INDUSTRY

THE Institute of Biology publishes a Directory of Biological Consultants which includes details of the fields covered by independent consultants in biology. The subjects include: Bacteriology; fungal spoilage; industrial microbiology; dairy bacteriology; microbiological assay; food hygiene; antiseptics; disinfectants; brewing; applied entomology; industrial and household pests; biological assay of insecticides; nutrition, both human and animal; toxicology; ecology and land use; parasitology; pollution of rivers; sewage disposal; decay of timbers; wild-life conservation. The Institute of Biology can help industrial firms and public bodies needing advice on other, more specialised subjects by finding suitably qualified biologists who are willing to give advice. Copies of the Directory of Consultants in Biology can be obtained from the General Secretary, Institute of Biology, 41 Queen's Gate, London, S.W.7.

## Disinfectant Makers

### OFFICERS AND COMMITTEE ELECTED

OFFICERS and executive committee of the British Disinfectant Manufacturers' Association elected at the annual meeting on March 26 were: *Chairman*, Mr. W. Mitchell (Hull Chemical Works, Ltd.); *Vice-chairman*, Mr. H. C. Askew (Reckitt & Colman, Ltd.); *Treasurer*, Mr. V. G. Gibbs (William Pearson, Ltd.); *Executive committee*, Messrs. R. G. Berchem (Jeyes' Sanitary Compounds Co., Ltd.), A. Ernest Berry (Milton Antiseptic, Ltd.), Sir Knowles Edge, Bart. (William Edge & Sons, Ltd.), Dr. N. H. Poynton

(Wm. Butler & Co. (Bristol), Ltd.), Messrs. C. W. Richards (Imperial Chemical Industries, Ltd.), J. Moffat Scott (Cooper, McDougall & Robertson, Ltd.), S. L. Waide (Newton, Chambers & Co., Ltd.).

## Awards for Merit

### MEDALS FOR HOSPITAL PHARMACISTS

THE council of the Guild of Public Pharmacists has accepted an offer from Evans Medical Supplies, Ltd., Speke, Liverpool, to award annually a maximum of two gold medals to hospital pharmacists who have made outstanding contributions to the advancement of the professional practice of hospital pharmacy. Nomination of the recipients and responsibility for the conditions governing the selection are vested in the Guild's council. The awards are not conditional upon membership of the Guild. Regulations governing the award are in process of being drawn up by the council.

## Public Pharmacists

### NOMINATIONS FOR GUILD'S COUNCIL

LAST day for the receipt of nominations of candidates for the council of the Guild of Public Pharmacists is April 27. Motions for discussion at the annual meeting of the Guild which is being held at 36 York Place, Edinburgh, on May 25, must also reach the Guild secretary (Mr. S. Powlson, 105A Albe-marle Road, Beckenham, Kent) by April 27.

## SCOTTISH NEWS

### Levy Collection

#### INFORMATION SOUGHT

ALL chemist contractors in Scotland are being asked to provide information during April regarding the collection of charges on prescriptions. The information is being used to determine whether the present uncollected charges allowance is adequate

## OVERSEAS NEWS

### RHODESIA AND NYASALAND

#### Drugs Inquiry

THE Rhodesian Government has ordered an inquiry into the cost of drugs and chemists' services.

#### Imports of Poliomyelitis Vaccine

BECAUSE of a sharp rise in the incidence of poliomyelitis in the Federation of Rhodesia and Nyasaland, British poliomyelitis vaccine is being allowed to be imported. Announcing that decision on March 20, the Federal Ministry of Health said that the weekly rate of notifications had increased from eight or ten during January and February to twenty-five. So far the main incidence has been among the European population of Southern Rhodesia.

### UNITED STATES

#### No Counter Sales of Cortisone

AN order prohibiting the sale without prescription of ointments and lotions containing hydrocortisone and hydrocortisone acetate has been issued by the United States Food and Drug Administration.

## Disguised as Easter Eggs

EACH ounce wrapped in coloured metal foil to resemble an Easter egg, 3 oz. of pure heroin has been seized by narcotics agents in California. The heroin is alleged to have been bought for £3,500 in marked notes. The seller is being held on charges of illegal possession.

## Increased Dispensing

IN 1956 retail pharmacies in the United States dispensed 629 million prescriptions, a gain of 9 per cent. over the 1955 total of 577 million, according to the Medimetric Institute, New York. More than half the total increase occurred in the tranquilliser and hormone fields but, contrary to widely held impressions, tranquillisers were still outranked more than two to one by antibiotics, which accounted for more than 10 per cent. of the total in 1956. Consumption of tranquilliser drugs, the research agency believes, has not yet reached its peak.

### JAPAN

#### Antibiotics and Food Preservation

THE Japanese Welfare Ministry is asking the World Health Organisation to ban the use of antibiotics in preserving food on the grounds that frequent use of those on fish and vegetables would destroy their value to human beings or cause fatal allergies.

### GERMANY

#### Salk Vaccine Imports

THE Prime Ministers of the West German States have decided to authorise the import of large amounts of the Salk poliomyelitis vaccine from the United States this spring. Enough will be imported to inoculate several hundred thousand children aged between two and three.

### NEW ZEALAND

#### Drug Bill Rises

THE sharp increase in the social security pharmaceutical costs was referred to by the New Zealand Minister of Health (Mr. J. R. Hanan) when he addressed the biennial conference of the New Zealand Branch of the British Medical Association, recently. He said that the individual doctor had a responsibility not only to his patient, but also to the taxpayer. The cost of drugs would, he said, exceed £2 a head of the population in 1957. In 1948 the total cost of pharmaceutical benefits was £1,558,000. In 1956 it was £4,039,000.

### EGYPT

#### Narcotics Ring Broken

WHILE the United Nations Emergency Force was deploying in Gaza and up to the demarcation line, members of the U.N. international force were instrumental in uncovering a narcotics ring in Egypt. Several smugglers were captured and a large cache of opium was confiscated. The operation took place on March 9 in the Sinai desert and the Deir El Ballah areas, and involved a stratagem worked out by U.N.E.F. in co-operation with the Egyptian police from the El Kantara area. From reports it appears that about the beginning of March a U.N.E.F. officer was approached by a bedouin who offered to sell him



hashish, and also attempted to engage military personnel in the transport of narcotics from Sinai to Lower Egypt. During the first week of March, the purchase of a small amount of hashish by a U.N.E.F. officer was deliberately staged to gain the confidence of the smugglers, payment being made with marked Egyptian money. Later negotiations were completed with the smugglers for receipt of a consignment of narcotics at a designated point in the Sinai desert for transport by U.N.E.F. vehicles to other parts of Egypt. When contact was finally made with the principals in Sinai, they were captured and turned over to the Egyptian police; a sack of twelve parcels, each containing 1 kilo of pure opium, was confiscated. Later the same day other persons involved in the narcotics ring were captured in the Deir El Ballah area after a night raid involving an exchange of shots.

### NEWS IN BRIEF

A ROYAL charter has been granted to the Institution of Chemical Engineers.

RATIFICATION is expected soon of an agreement whereby Co-operative pharmacists at every stage, will receive salary increases of  $7\frac{1}{2}$  per cent., from April 1.

THE Meldola Medal of the Society of Maccabæans has been awarded by the Royal Institute of Chemistry to Dr. Thomas Summers West, Birmingham University.

A WEEK-END conference of the Apothecaries' Hall Dispensers' Association, was held recently at Shrewsbury, Salop. Arrangements are being made for a similar conference at Harrogate in 1958.

A NEW pharmacy department was officially opened at Solihull Hospital, Warwicks, on March 21, by the mayor and mayoress of Solihull. The premises were originally the dormitory of the former Solihull Institution.

"FRENCH Fortnight" (see *C. & D.*, March 9, p. 260) was launched by the French Minister for Economic Affairs and the president, *Union Française des Industries Exportatrices*, at a reception in London on April 1.

OFFICERS of the South London and Surrey Pharmacists' Golfing Society elected at the recent annual meeting were: *President*, Mr. A. Cottam; *Vice-president*, Mr. J. L. Wrathall; *Treasurer*, Mr. G. G. Watt; *Secretary*, Mr. G. G. Jamieson, 3 High Street, South Norwood, London, S.E.25.

MORE than 100 additional workers will be required by Kork-N-Seal, Ltd., when the metallurgical part of the company's plant is transferred from Charlton, London, to Keirfield Works, Bridge of Allan, Stirlingshire, Scotland, in the near future. The company's London section will concentrate on plastics.

AT the recent annual meeting of the Association of Glass Container Manufacturers, Mr. Alec W. Clark (managing director, Beatson, Clark & Co., Ltd.) was elected *President* and at the succeeding annual meeting of the National Joint Industrial Council for the glass container industry he was appointed *Chairman*.

## TOPICAL REFLECTIONS

By Xrayser

### *Advances in Medicine*

The lecture delivered to an evening meeting in Edinburgh by Mr. D. H. O. Gemmell (p. 357) indicates the impact that nuclear science is making on modern medicine and modern pharmacy. Mr. Gemmell focused attention on yet another branch of specialised drugs requiring specialised treatment. When one considers the rapidity of the changes which have taken place over the past ten or twenty years, the task of those charged with the formulation of an educational policy equal to modern requirements appears formidable indeed. I note that the meeting to which I refer is the fourth of the Edinburgh evening meetings for the session. I am at a loss to account for the fact that there appears to be a public for such meetings in Edinburgh, while London has given up its series of regular scientific (or other) meetings. What is the explanation? The differences between pharmacists in the two capitals are surely not so great that in one a keen interest in affairs pharmaceutical survives and thrives, while in the other it has atrophied. Is London prepared to accept the present situation?

### *The Problems*

Education must always be a little ahead of requirements. The policy must be bold, yet must not soar too far into the realms of the problematical. It must be practical. It must take account of foreseeable needs, and it is in the forecasting of those needs that the chief difficulty lies. Revolutions in medical science and pharmaceutical technique have been so rapid in recent years that anticipation of future progress in those fields is impossible. But the future of pharmacy depends on its capacity to adapt itself quickly to any new situation. With regard to keeping the register "up to strength," there appears to be some doubt. The future will certainly see a reduction in the number of pharmacies acting as points of distribution. The less economic units are proving to be unsaleable, and are closing down, on a limited scale it is true, but a scale which is likely to increase. There is scope for the development of larger units, more adequately staffed, and more economic to run. Even if it is accepted that the number of names on the register is the optimum number, it does not appear to be vital that that strength should be distributed as at present.

### *Stocktaking*

There are various ways in which the task of stocktaking may be tackled. More and more pharmacists are relying on the professional expert to undertake the task, and there are many advantages in having the priced and added sheets laid on one's desk. From the point of view of the busy man such a method is well worth the expense. If the method has a drawback at all, it is of the same nature as that experienced by the owner of a garden who employs a gardener. He no longer knows what he has in his garden, passing in and out with little regard for the contents. The keen amateur is always watching developments, and in time develops a personal interest in the weeds. Something of the same feeling enters into stocktaking. When the pharmacist struggles with a manual stocktaking, he finds out many facts which are of interest to him. He finds goods that should be put on display, and refreshes his memory in regard to the more obscure articles on shelves and in cupboards. He finds it increasingly difficult, though, to look at friends who have been cold-shouldered for years and are neglected and despised. Tincture of kino, zinc sulphocarbolate, althea ointment, tincture of cimicifuga and oil of amber wear a reproachful look, and even dill water appears to be asking if babies no longer suffer from wind. All are acquaintances of long standing—and long standing looks like being their fate in the future. Unlike their modern counterparts, they had the merit of being inexpensive, and it may solace them to know that their period of active life of some of them was measured in centuries, whereas the word ephemeral rather than ethicaï might be more accurately applied to some of the new preparations—indeed, it might almost have been coined for the purpose.



## IN PARLIAMENT

By a MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

SIR DAVID ECCLES (President of the Board of Trade) told Mr. E. FLETCHER on March 28 that the registrar of restrictive trading agreements had stated that about 1,200 agreements had been sent to him by the end of the first registration period on February 28. The agreements would be available for public inspection on April 15 on payment of one shilling. He could not say when the Restrictive Trade Practices Court would start functioning because there was still a lot of work to be done.

### Weights and Measures Legislation

Mr. F. J. ERROLL (Parliamentary Secretary to the Board of Trade) told Mr. A. E. ORAM on March 28 that the proposals of the Hodgson committee on weights and measures would be introduced as legislation and soon as parliamentary time permitted.

### Imports of Drugs from United States

SIR DAVID ECCLES (President of the Board of Trade) told Mr. H. WILSON, in a written answer on March 28, that imports of drugs, medicines and medicinal preparations, excluding antibiotics, from the United States into Britain in 1956 were valued at £1.1 million. Those goods were not separately specified in the trade returns for 1951 but imports in that year were estimated to have been of the same order as in 1956.

### Cost of Vaccines and Inoculations

Mr. J. K. VAUGHAN-MORGAN (Parliamentary Secretary to the Ministry of Health) told Mr. C. R. HOBSON, in a written answer on April 1, that the total amount paid by the Ministry of Health for vaccine lymph from July 1948 to March 1956, was £183,748. The corresponding figure for material for inoculations for diphtheria and for B.C.G. vaccine were respectively £170,215 and £13,473. Vaccines for immunisation against whooping-cough and tetanus were not supplied centrally. The cost of vaccines purchased direct by local health authorities or dispensed by chemists on prescriptions of general practitioners were not separately known.

### Strontium in Children's Food

Mr. D. VOSPER (Minister of Health) told Dr. B. STROSS on April 1 that he understood that treated bone meal was used in very small quantities in some cereal foods mainly intended for infants. No measurements of the level of strontium 90 in cattle bones had been carried out in Britain, but there was evidence that the levels were comparable with those in milk. Watch was being kept on the matter, mainly in connection with the effect on milk. He was sure that the Medical Research Council would give its advice if necessary. Mr. VOSPER told Dr. B. STROSS, in a written answer on April 1, that he was advised that the best estimate that could be made was that the incidence of bone cancer in the general population was likely to be inappreciable if the level of strontium 90 in human bone was below 100 units. Observa-

tions in Britain showed that the present level was, on the average, less than one unit.

### Prescription Costs

Mr. DENNIS VOSPER (Minister of Health) told Mr. A. BLENKINSOP on April 1 that the average cost per prescription in January was about 5s. 6½d. That was about the same as in December 1956 and about fivepence higher than in November 1956. An accurate figure for February was not yet available, but from a sample it was estimated that the average cost was about a penny more than in January. He was prepared to consider almost any proposal for some form of further independent check upon the value of new drugs. As far as the price of prescriptions was concerned, he had not yet received the detailed analysis of prescriptions for December 1956. That would be rather important. Mr. G. NICHOLSON asked the Minister if he was aware that the medical training of doctors included absolutely nothing to make them cost conscious; did he not think that efforts should be made to inculcate in the medical profession some consideration of the cost of prescriptions? Mr. VOSPER: Yes. That is why Mr. Turton decided to set up a committee to examine the whole question of prescribing. The committee would, he hoped, start work very shortly.

The Customs Duties (Dumping and Subsidies) Bill was read a third time in the House of Lords on March 28 and passed.

## LEGAL REPORTS

### Drove Under Influence of Drugs

AT Hendon magistrates' court recently, Mrs. Betty Humbert was fined £10 and disqualified from driving for twelve months for driving a car while under the influence of drugs. It was stated that, in a hurry to see her nine-year-old child in hospital, she left her home without lunch but after taking sodium Amytal and a sedative for sinus trouble. There was no suggestion that she had taken anything to drink, and the drugs had been properly taken under medical supervision.

### Addicted to Pethidine

AT Hastings magistrates' court recently, a nursing sister at a St. Leonards nursing home pleaded guilty to unlawfully procuring pethidine on or about January 29 and 31. The sister (Miss M. F. Cox) asked for similar offences committed on various occasions between November 1, 1956, and January 17, 1957, to be taken into consideration. A police superintendent said that Sister Cox had worked at the nursing home for twenty-eight years. Some years ago she contracted tuberculosis in a leg and was given pethidine to relieve the pain. At that time pethidine was not registered as a Dangerous Drug. The court placed her on probation for three years on condition that she let herself be put under medical supervision for one year.

### "Almost as Technical as Can Be"

BENJAMIN (Chemists), Ltd., 190 Stoke Newington High Street, London, N.16, pleaded guilty at North London magistrates' court on April 1 to keeping open their shop later than 1 p.m. on January 24 (the weekly half-holiday). Solicitor for the London County Council said that an assistant was seen to serve a customer with a tin of talcum powder. Defending counsel said that what happened was that the customer had bought a tin of talcum powder earlier in the day; she had bought it for someone else and later brought it back. The shop was properly open for the making up of prescriptions and the assistant thought there was no harm in changing the tin for another of exactly the same price. The magistrate said: "The hypothetical visitor from Mars might be hard put to it to see where the harm was. This is almost as technical an offence as can be." The company was granted an absolute discharge on payment of 10s. 6d. costs.

## COMPANY NEWS

**SOLARTRON RESEARCH AND DEVELOPMENT, LTD.**—Mr. Reginald Catherall has been appointed a director.

**GLAXO LABORATORIES, LTD.**—An interim dividend on the Ordinary stock of 5 per cent. for the year ending June 30, is declared. A progress report on the first half-year's trading will be posted to stockholders in a few days.

**STEVENSON & HOWELL, LTD.**—Mr. Vernon J. Tilley, F.R.I.C. (chairman, managing director and chief chemist of the company) is retiring on April 12 from his position as managing director and from the board. His services will continue to be available in an advisory capacity. Mr. Tilley has been with the company for forty-eight years and has been a member of the board for forty years. He will be succeeded by Mr. Arthur J. Stevenson, a son of the joint founder of the business, who has been for many years a senior executive and director of the company.

### New Companies

P.C. = Private Company; R.O. = Registered Office

**JOHN McDOWELL, LTD. (P.C.)**.—Registered in Belfast. Capital £5,000. To acquire the business of John McDowell carried on at 335 Donegall Road, Belfast. Subscribers: Louisa M. McDowell and Rev. Andrew P. McComb. The first directors are not named.

**SMITH & NEPHEW PHARMACEUTICALS, LTD. (P.C.)**.—Capital £50,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Directors: L. F. Long (chairman), Dr. R. Powell (managing director), D. E. Seymour and N. P. Newton. R.O.: Bessemer Road, Welwyn Garden City, Herts.

**ASSOCIATED CHEMISTS (BIRMINGHAM), LTD. (P.C.)**.—Registered February 7. Capital £15,000. To carry on the business of wholesale and retail chemists, opticians, chiropodists, druggists, etc. Directors: Douglas G.



Beck, M.P.S. (a director, W. Beck & Sons, Ltd.), governing director and chairman, Alfred H. Moseley, M.P.S., Gerald H. Walker, M.P.S. (a director, G. H. Walker (Chemists), Ltd.), Frederick J. Reynolds, M.P.S. (a director, G. Knowles (Chemists), Ltd.), Lewis H. Teare, M.P.S. (a director, W. W. Adams, Ltd.), Gordon N. W. Buckingham, M.P.S., William Pickering, M.P.S., Frederick Wale, M.P.S., and Douglas J. Crawford, M.P.S. Secretary: A. H. Moseley. R.O.: 1116 Coventry Road, Hay Mills, Birmingham, 25.

## BUSINESS CHANGES

**LONDON CO-OPERATIVE CHEMISTS, LTD.**, have opened a pharmacy at 111 Fencepiece Road, Barking, Essex.

**MR. J. H. WILSON, M.P.S.**, has acquired the pharmacy of Mrs. M. K. Wadham, M.P.S., 29 Baker Street, Weston-super-Mare, Somerset.

### Appointments

**MR. E. W. K. HEWITT** has been appointed sales manager of British Cod Liver Oils, Ltd., Hull. He takes over responsibility for marketing, it is claimed, about half the world's total supply of cod-liver oil.



**THOMAS KERFOOT & CO., LTD.**, Vale of Bardsley, Lancs, have appointed Mr. M. A. Roberts to their medical representative staff in London.

**DISTILLERS CO. (BIOCHEMICALS), LTD.**, The Broadway, London, S.W.19, have appointed Mr. R. Levin, F.P.S., manager of their technical information department.

**PFIZER, LTD.**, Folkestone, Kent, have appointed Mr. G. D. Rosen, B.Sc., Ph.D., F.R.I.C., as nutritional adviser. The post is newly created and the appointment takes effect on April 29.

**BRAND & CO., LTD.**, Mayfair Works, London, S.W.8, have appointed Mr. S. A. Wrightson (representative in the Nottingham-Derby district) their Midlands area manager. He succeeds Mr. M. Granger who has been transferred to their head office as assistant home sales manager.

**EDWARD TAYLOR, LTD.**, Monton, Eccles, Lancs, have appointed Mr. P. A. Harden, Viewfield, High Banton, Kilsyth, Glasgow, their Scottish manager, and Mr. S. Y. Scott, 6 Montpelier Terrace, Edinburgh, 10, their representative in South-east Scotland and North-east England.

**ARMOUR LABORATORIES**, Hampden Park, Eastbourne, Sussex, have appointed the following representatives for their pharmaceutical products: Miss E. G. Carson, North and East London and Essex; Mr. W. Hurst, South Lancashire, Cheshire, Shropshire, North Wales; Miss H. McCarron, B.Sc. (Pharm), F.P.S., Oxfordshire, Bucking-

hamshire, Berkshire, Surrey; Mr. J. W. Mitchell, West and North-west London, Middlesex; Mr. A. J. Parnall, South Wales, Herefordshire, Gloucestershire, Wiltshire; Mr. H. W. Pilkington, Northumberland, Cumberland, Westmorland, Durham, North Yorkshire; Miss S. M. Parrington, North Lancashire, West Yorkshire. Messrs. P. J. Walsh and H. L. Kendall are to cover East Scotland and Western Scotland respectively, their products to include surgical ligatures and sutures. Mr. R. A. Hill, S.R.N., is to cover Wales, Midlands and Eastern Counties for the company's ligatures and sutures only.

## BIRTH

**TAYLOR.** — At Simpson Memorial Maternity Pavilion, Edinburgh, on March 24, to Ena, wife of Thomas Earl Taylor, M.P.S., 53 High Street, Cockenzie, East Lothian, a son.

## MARRIAGES

**RICHARDSON—ARTHUR.** — At the Congregational Church, Ickenham, Middlesex, on March 30, Audrey Christine Arthur, M.P.S., to Kenneth A. Richardson.

**BOWMAN—GREATOREX.** — At St. James's Church, Enfield Highway, Enfield, Middlesex, on March 23, Arnold Harold Bowman, M.P.S., 144 South Lodge Drive, Southgate, London, N.14, to Jean Maria Greatorex, 33 Bowood Road, Enfield Highway.

## DEATHS

**ALCOCK.** — On March 19, Mr. Alfred Allison Alcock, M.P.S., 44 Highfield Drive, South Shields, co. Durham, aged sixty-five. Mr. Alcock was superintendent and a director of Alcock (Dispensing Chemists), Ltd., South Shields.

**JONES.** — On March 3, Mr. Idris Lloyd Jones, M.P.S., Oakfield, Heenan Road, Old Colwyn, Denbighs, aged sixty-seven. Mr. Jones was in business at The Pharmacy, Trawsfynydd, Merioneth.

**JONES.** — On March 31, Mr. William Miall Jones, F.P.S., Glascoed, Penparke, Aberystwyth, Cardigans, aged eighty-five. Before he retired Mr. Jones had had a pharmacy in the town for thirty-eight years. He was a recognised authority on field botany and ornithology. He was a former president of Aberystwyth chamber of trade.

**MCCARTNEY.** — At his home, 54 Lodge Road, Coleraine, co. Londonderry, on March 23, Mr. Robert Freeborn McCartney, M.P.S.N.I., aged eighty-six. Mr. McCartney, who carried on business at The Diamond, Coleraine, was one of the oldest members of the Pharmaceutical Society of Northern Ireland. He had been a leading figure in the public and business life of Coleraine for more than half a century. He was a former chairman of the urban council and was twice mayor of the borough.

**OAKLEY.** — On March 17, Mr. Frank Oakley, M.P.S., 90 Three Elms Road, Hereford. Mr. Oakley qualified in 1903.

**SAGE.** — On March 20, Mr. Ernest Sage, F.P.S., Inveravon, Station Road, Verwood, Dorset, aged sixty-six.

**SLAVEN.** — On March 23, Mr. James Slaven, M.P.S., 16 Waverley Drive, Rutherglen, Glasgow, aged fifty-eight. Mr. Slaven was in business at 317 Nuneaton Street, Glasgow, S.E.

**TAGGART.** — At his home, 10 Cushendall Road, Ballymena, co. Antrim, suddenly, on March 21, Mr. Alexander Taggart, M.P.S.N.I. Mr. Taggart qualified in Dublin as a registered druggist in 1907, and qualified as a pharmaceutical chemist in Northern Ireland in 1926. He had carried on business in Ballymena for over forty years.

## PERSONALITIES

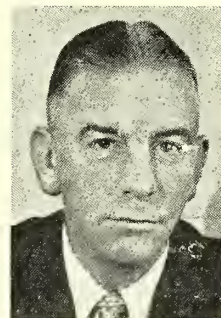
**MR. G. WOODFINE, M.P.S.**, Bexhill-on-Sea, Sussex, addressed Bexhill Citizens at their monthly luncheon recently.

**MR. E. HILL, M.P.S.**, has been re-appointed to Liverpool Regional Hospital Board for three years. Mr. Hill is a director of Hill's Balsam, Ltd.

**MR. H. HOLLAND, M.P.S.**, has been elected to the committee of Bognor Regis West End Traders' Association which has been revived after a lapse of many years.

**MR. H. ROLLETT, M.P.S.**, Wrentham, who is one of the oldest chemists in Suffolk, where he took over a business in 1892 after moving from Lincolnshire, has resigned office as a warden at St. Nicholas' Parish Church on account of failing health. Mr. Rollett, who qualified in 1890, was appointed people's warden in 1901 and has carried on in that capacity or as Rector's warden, his recent office, ever since. For many years he was also treasurer of the Parochial Church Council. The Council has placed on record its appreciation of the outstanding services rendered by Mr. Rollett to church and parish. When he completed fifty years as warden in 1951 and received a parish presentation, the Bishop of St. Edmundsbury and Ipswich wrote that his service was unique in the diocese.

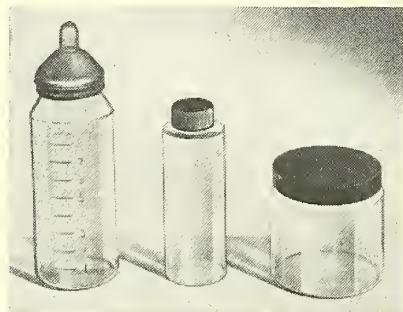
**MR. A. E. SMITH** (a director since January 1955 of Smith & Nephew, Ltd., Welwyn Garden City) is relinquishing the position in order to join the board of the associate company Smith & Nephew Textiles, Ltd., Lancashire. He will be responsible for the marketing of the company's complete range of surgical dressings, both at home and overseas. At Welwyn Mr. Smith had command of administration, public relations and packaging. He was with Herts Pharmaceuticals, Ltd., before that company joined the Smith & Nephew group in 1951, managing the Indian branch until 1946 and in that year forming in Toronto the Canadian company, of which he was later appointed managing director. He returned to England in 1954.





## PACKAGING NOTES

**Now in Nylon.**—Fibrenyle, Ltd., 157 Dukes Road, London, W.3, state that they are now able to produce in nylon their Skylon range of bottles and jars



"on a production basis." Clear and light, and of attractive appearance, the containers present no problems of sterilisation.

**A Membrane Seal.**—For prevention of seepage from collapsible tubes Flexile Metal Co., Ltd., 796 Holloway Road, London, N.19, have developed a method of hermetically sealing the nozzle of a tube by a metal membrane.



The membrane-piercer on the Polyflex cap.

The nozzle, which is available on aluminium, tin, tin-coated lead and lead tubes, consists of a film of metal approximately three-thousandths of an inch thick which is integral with the metal of the tube and seals the nozzle completely, preventing evaporation or seepage. The tube is fitted with a Polyflex polythene cap with a spike on the top. When the cap is removed the membrane seal is pierced by reversing the cap and pressing the spike into the membrane. To stop seepage at the folded end of the tube, the company offers a wide range of sealing compounds of which latex is claimed to be the most popular, although wax and vinyl adhesives may also be used.

## TRADE NOTES

**Contents Doubled.**—Keldon, Ltd. (agents for Optrex, Ltd.), Wadsworth Road, Perivale, Middlesex, have increased the number of Optrex eye compresses in the pack from six to twelve.

**Discontinued.**—PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex, have discontinued diphtheria-pertussis prophylactic (W.D.P., green label). Stocks are exhausted.—BRITISH SCHERING, LTD., 229 Kensington High Street, London, W.8, announce that their stocks of Iviron are exhausted and the product is discontinued. Stocks in retailers' hands should be returned for credit.

**"Styled" Nail Trimmer.**—The Trimrite nail clipper distributed through wholesalers by D. Harris & Co., Ltd., 73 Brewer Street, London, W.1, has "American" styling, and is claimed the best known nail trimmer.

**Sole U.K. Distributors.**—George Spencer & Son, Ltd., Kynance Place, Gloucester Road, London, S.W.7, have been appointed sole distributors in the United Kingdom of the products of John H. Breck, Inc., manufacturing chemists, Springfield, Massachusetts, U.S.A. The products include the Breck shampoo for dry, normal or oily hair.

**A Charge for Carriage.**—Vitamins, Ltd., Upper Mall, London, W.6, announce that, from April 8, and owing to increased transport costs, all orders under £5 (invoice value) are being charged carriage. Orders for Bemax qualifying for quantity terms (minimum three doz. 3s. size or equivalent) are still being sent carriage free.

**Fixed Price Policy.**—Drawing attention to the outcome of their proceedings against a price-cutting retailer (see C. & D., March 30, p. 343) County Laboratories, Ltd., Macleans, Ltd., and Harold F. Ritchie, Ltd., point out that it is the policy of the Beecham group of companies to protect the prices at which their products may be sold to the public.

**For Piglet Anaemia.**—Rapidly increasing demand is reported by the Crookes Laboratories, Ltd., Park Royal, London, N.W.10, for their two-shot Ferrovet (for the treatment of piglet anaemia). Messrs. Crookes advise pharmacists to be prepared with stocks because the treatment, whether prophylactic or curative, has to be commenced during the first seven days of the piglet's life. Ferrovet is available in a 30-mil rubber-capped vial.

**Vaccine Change.**—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have deleted from their list pulpy kidney vaccine, B.Vet.C. It has been replaced by improved pulpy kidney vaccine (A.P.T.), a preparation of high antigenicity developed to reduce to a minimum the number of sheep failing to become immune. The greater potency is achieved by absorbing the antigen from a germ-free culture filtrate on to aluminium phosphate and concentrating, and by trypsin treatment of the filtrate.

## Bonus Offers

JOHN BELL, HILLS & LUCAS, LTD., Worsley Bridge Road, London, S.E.26. John Bell's tonic phosphates. Thirteen to doz. on minimum three doz. assorted sizes. Till May 31.

BRITISH PRODUCTS SANMEX CO., LTD., Rutherglen, Scotland. San-Mex perfumed disinfectant spray, San-Mex concentrated perfume disinfectant refill, 5 per cent. on bonus parcel of three doz. either product or mixture of both. Until May 11.

W. B. CARTWRIGHT, LTD., Rawdon, Leeds. Moorland indigestion tablets. Thirteen to doz. on direct orders during May.

C. & G. KEARSLEY, LTD., 71 Dartmouth Road, London, S.E.23. Kearsley's Widow Welch's pills. Thirteen to doz.

MEGGESON & CO., LTD., London, S.E.16. Meggeson glycerin and black-currant pastilles; glycerin, lemon and honey pastilles; or Gee's linctus pastilles. One doz. tins with each order value £10.

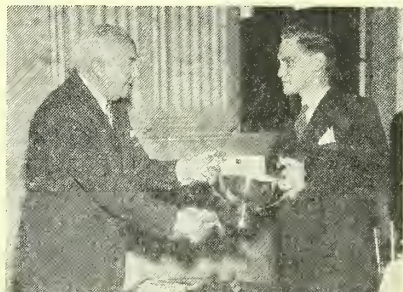
SCOTT & TURNER, LTD., Andrews House, Newcastle-on-Tyne, 1. Perminex BHC or DDT insecticide, 5 per cent. on all orders received by end of May.

SMITH & NEPHEW, LTD., Welwyn Garden City, Herts. Elastoplast. Details mailed to chemists. Leukoplast also qualifies for bonus.

## MANUFACTURERS' ACTIVITIES

**Increased Sales.**—At the end of the twenty-fifth day in the annual spring sales competition of the chemicals divisions trade sales department of Newton, Chambers & Co., Ltd., Sheffield, sales were 25.3 per cent. above those in the same period in 1956.

**Advertising Award.**—For "the most progressive direct mail campaign of 1956" Geigy Pharmaceutical Co., Ltd., Roundthorn Estate, Wythenshawe, Manchester, 23, have won the Chad-



AWARD TO PHARMACEUTICAL MANUFACTURER: Sir Miles Thomas, D.F.C., presents to Mr. R. S. Newton (publicity manager, Geigy Pharmaceutical Co., Ltd., Manchester), the Chadwick cup for mail-order advertising of Desogen lozenges.

wick cup of the British Direct Mail Advertising Association. The presentation luncheon to the company on March 28 was presided over by Sir Miles Thomas (chairman, Monsanto Chemicals, Ltd.). The prize-winning campaign was for Desogen lozenges.

**Middle East Sales Up.**—Allen & Hanburys, Ltd., London, report that despite political setbacks which denied them the Egyptian market, their sales to the Middle East at present are breaking all previous records by a substantial margin. In addition to the large volume of routine orders, profitable contracts have recently been secured to the value of over £300,000 for hospital equipment and pharmaceuticals. The company attribute the position to their policy of personal representation commenced in 1946, and aimed at fostering trade with certain countries whose post-war evolution has been a significant feature of economic progress in the Middle East.

## INFORMATION WANTED

BUAKOLADINE Autolysin  
Bagg's electrolytic cough mixture  
Apis Engineering & Research Co., Ltd.  
(present address)  
Dr. Lalor's PHOSPHODYNE  
Hill's bronchial balsam



## NEW PRODUCTS AND PACKS

**Novobiocin Syrup.**—Upjohn of England, Ltd., Fleming Way, Crawley, Sussex, announce the availability of a 2-fl.-oz. bottle of Albamycin (novobiocin) syrup. Each 5 c.c. contains 125 mgm. of the antibiotic.

**Insecticidal Aerosol.**—Thornton & Ross, Ltd., Linthwaite, Huddersfield, are marketing an insecticidal aerosol, Jertox. The product has a smart red, white, black and pale blue, white capped container and is sent out in counter display outer holding six aerosols. The product contains DDT, BHC, dieldrin and pyrethrins.

**A Branded Prednisolone.**—Ciba Laboratories, Ltd., Horsham, Sussex, are marketing, under the name Ultracorten-H, their own brand of prednisolone, the hydrocortisone derivative that is currently being used in inflammatory and allergic conditions. The product is issued in containers of twenty-five, 100 and 500 1-mgm. or 5-mgm. tablets.

**Cetrimide Cream and Silk Suture.**—Two new specialities have been introduced by Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham. Cetrimide cream, containing 0.5 per cent. w/w of cetrimide, B.P., is issued in a 50-gm. cartoned tube. Merchant shipping medical scale, 1953, Sanisuture comprises a No. 10 half-curved cutting-edge eyed needle on 18 inches of white braided silk No. 4.

**New Strength and New Forms.**—Glaxo Laboratories, Ltd., Greenford, Middlesex, have introduced Ef-Cortelan eye ointment, 0.5 per cent., in tube of 3 gm., and two new forms of Diphenatril (additional to the uncoated 100-mgm. tablets): 100-mgm. "repeat action" tablets (50 mgm. in coating and 50 mgm. in core) in bottles of twenty-five and 250; and Diphenatril with phenobarbitone tablets (100 mgm. diphemamil methylsulphate, 16 mgm. (½ grain) phenobarbitone) in bottles of fifty and 500.

**Piperazine Dimaleate.**—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce the introduction of Stemetil brand 1-[3-(3-chloro-10-phenothiazinyl)propyl]-4-methyl-piperazine dimaleate. Administered orally or as suppositories, Stemetil is claimed valuable in the symptomatic management of migraine and related conditions; Ménière's syndrome and other labyrinthine disorders; giddiness of other origins; and vomiting. It is presented in containers of twenty-five and 250 5-mgm. tablets and in boxes of five 25-mgm. suppositories. The company consider that sale of the product should be restricted in the same way as Largactil.

**Whooping-cough Medication.**—Hommel Pharmaceuticals, 121 Norwood Road, London, S.E.24, announce the introduction of Pertix, a specially formulated preparation intended for the relief of whooping cough, especially in eliminating or alleviating the necrotising effect of the Shwartzman phenomenon on the laryngeal mucosa. The active contents of Pertix are diphosphoric acid ester of menaphthone; isoniazid; and 2-diethylaminoethyl-β-



**PACK AND SHOW-MATTER DESIGNED TOGETHER:** The containers of Secto fly spray and Astral air freshener, new products of the Secto Co., Ltd., were designed together with the show material with striking effect. The showcards may be obtained from Cupal, Ltd., Blackburn.

phenyl-butyrate citrate. The preparation is subject to the Therapeutic Substances Act and is available on prescription only. A liquid, it is presented in bottles of 125 and 250 mls.

### Rose Talcum.

A new addition to the range of talcum powders available from Cussons, Sons & Co., Ltd., 84 Brook Street, London, W.1, is "damask rose," which has "a very distinctive perfume . . . easily associated with the flower it represents." The pack is as illustrated.



**Eye-catching Hair-grip Pack.**—The new pack of Kelly hair grips carries twenty-eight grips with smooth rounded ends on a card beside a head and shoulders of the stage and television personality Barbara Kelly. The makers are Whitcroft Pin Manufacturing Co., Ltd., Whitcroft, Gloucester.

**Shampoo in Clear Sachet.**—Evan Williams Co., Ltd., Aintree Road, Perivale, Middlesex, are marketing a new liquid shampoo, Hi-Glo ("with miracle Dyroxin") in clear sachet, three doz. to a display carton. The company's liquid lanolin shampoo is eventually being withdrawn, and credit is being given for all paper sachets of the shampoo returned with orders for Hi-Glo received in April.

**Scissors in Quick-service Display.**—Alfred Franks & Bartlett Co., Ltd.,

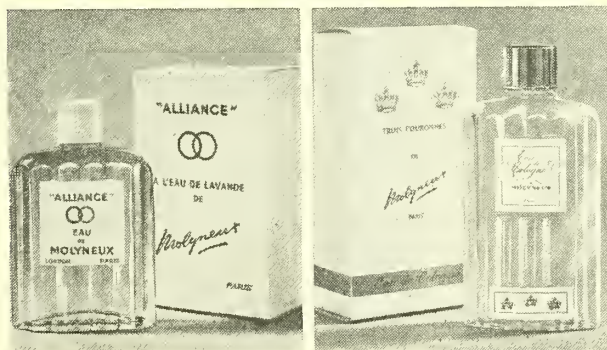
226 Gray's Inn Road, London, W.C.1, offer a range of hot-forged, chromium-plated scissors each visible in a dust-protected transparent-fronted counter display case. Each pair has its own transparent sheath and is mounted on a card indicating the variety (there are ten, including toe-nail, nurses, pocket, straight and bent nail and cuticle), and the case contains six pairs of each.

**Lightweight Nylon Stockings.**—E. Sallis, Ltd., Vernon Works, Basford, Nottingham, are marketing a new Eesiness product: Vernon lightweight nylon elastic yarn surgical stockings, N.H.S. The Vernon stockings are available with closed toes in 8½, 9, 9½, 10 and 10½-in. foot sizes, and with open toes in small, medium and large sizes. The closed-toe type may be worn with or without an over-stocking. Each pair is packed in a transparent tissue envelope and the outer contains six pairs.

**Hair Beauty Buckle.**—A Continental fashion that is invading Britain is the hair beauty buckle. To meet the demand, Bellino Novelties, 13 Boot Street, London, N.1, are marketing the Bellino buckle in a range of several styles and in a number of pastel shades and tortoiseshell, each with lustre finish. The buckles are individually carded. Each is in two parts, the one essentially an open rectangle or oval, and the other a wide "pin," which is inserted between hair and buckle.

**Two New Colognes.**—Molyneux et Cie (Design and Perfumes), Ltd., 1 Berkeley Square, London, W.1, are launching in April two new Colognes (below). *Trois Couronnes* is a classical Cologne, "the sophisticated bouquet of which will be a delight to all who use it."

Packed in a fluted bottle with gold cap it is enclosed in a white carton embossed with three gold crowns. Alliance, "a true French lavender," is also in a fluted bottle but with white cap, and is packed in a white carton with tri-colour motif. Alliance is marketed in bottles of two sizes,





## SYMPOSIUM ON 5-HYDROXYTRYPTAMINE

### Assessing its physiological importance

TO help in the assessment of the physiological importance of 5-hydroxytryptamine (HT or serotonin) was the object of a symposium on the substance held in the Wellcome Building, Euston Road, London, on April 1 and 2.

The symposium was under the chairmanship of Sir Charles Harrington, F.R.S., director, National Institute for Medical Research.

#### Wide Distribution

DR. H. O. J. COLLIER said that 5-hydroxytryptamine had a high and varied biological activity. It had a wide but local distribution. After dealing with methods of detecting, identifying and estimating the substance, Dr. Collier described its distribution in living species ranging from vertebrates to plants. The ability to produce HT, he said, seemed to have developed as the occasion demanded and it appeared to have some survival value. There was evidence that it was responsible for some of the painfulness of venoms in which it appeared in high concentration. It had been found that dock leaves, widely used to alleviate nettle stings, potently antagonised HT, while only slightly antagonising histamine and acetylcholine. In glands in the neck of the giant reed HT could cause pain in the mouth or pangs of an smoker. Its presence in the skins of other animals would have the same effect. It might be the "poison" in the salivary glands of cephalopoda. A microgm. of HT could cause spasm of the crab's claw. A general search for HT in the stinging apparatus of plants and animals would probably be rewarding. It was likely that HT secreted by the mucosa of the gut was absorbed and resisted the nervous mechanism of the gut. 5 mgm. per kilo significantly increased the number of defecations in mice. Was HT nature's remedy for constipation?

Dr. G. F. LEWIS discussed the localisation of HT in the mast cells of the rat.

Dr. G. B. WEST said that only 20 per cent. of HT in skin resided in the mast cells. He considered that most of the HT was not present in the mast cells although most of the histamine was.

Dr. I. FARR, United States, suggested that the report of the symposium should be published in what the *New Yorker* called the "department of utter confusion." He paid tribute to the work the British had done on HT. The substance showed marked cardiac stimulation and it usually acted as a constrictor on the pulmonary vascular bed. It was hard to say whether HT was a pressor or depressor agent. Animals and human beings could show pressor and depressor response to the substance. Antihistaminics greatly diminished the response to HT, he asked whether one was justified in saying that serotonin had any physiological function in the normal human being and suggested that its very presence indicated that it must have a function. It was fun to think what its effects might be. It had a strong effect on cardiac filling. It had no apparent effect on clotting. The substance might

have some connection with hypotension. He suspected that the understanding of its physiological effects was still a long way off. Perhaps pharmacologists were too concerned with "large squirts" of these substances. That was not how nature worked.

Dr. MARY PICKFORD said that HT could act as a potent antidiuretic by preferential vasoconstriction. Was it a hormone designed for physiological control of renal function? Its antidiuretic effect was due to its effect on the vascular system as a whole. The kidney was less sensitive than certain other tissues. The antidiuretic response could be different in the same animal

with the same dose and under the same conditions. The effect was different from that of vasopressin, which was a real hormone.

Dr. R. S. STACEY said that the platelets were the main transporters of HT. There was a slow release of HT from platelets in silicone-treated glassware. In unsilicified glass a much more rapid release was obtained. Mechanical damage could cause release. Clotting could release HT from platelets. Reserpine and other rauwolfia alkaloids could release HT from platelets. Was the binding mechanism blocked?

The symposium was organised jointly by the British Pharmacological Society, the Physiological Society, the Biochemical Society, the Association of Clinical Biochemists, and the fine chemicals group, Society of Chemical Industry.

## ION-EXCHANGE RESINS

### Applications to pharmacy

THE nature and properties of the ion exchange resins were dealt with by Dr. T. R. E. KRESSMAN at the sixth scientific meeting of the session of the Society of Cosmetic Chemists of Great Britain held recently. The original cation exchange resins consisted of condensation products of polyphenols and formaldehyde, and the original anion exchange resins of condensation products of *m*-phenylenediamine and formaldehyde. Materials of higher capacity were developed later by incorporating more highly ionised groups and the modern cation exchange resins contained carboxylic acid and sulphonic acid groups leading to weakly and strongly acidic products respectively, while the anion exchange resins contained aliphatic amino and quaternary ammonium groups giving weakly and strongly basic products.

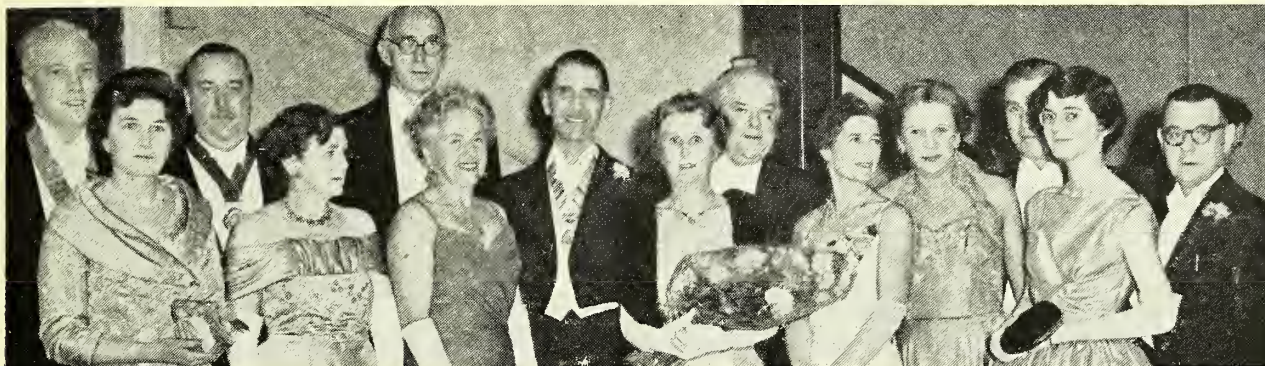
The sulphonic resins were used where it was required to exchange all cations in solution for, say, hydrogen ions. The carboxylic resins showed a low capacity in neutral and acid solutions, but their hydrogen ions could be exchanged for the cations of salts of weak acids. Weakly basic resins were used to absorb free acids from solution and they would not take up anions in neutral or alkaline solution. The quaternary ammonium anion exchange resins were the counterpart of the sulphonic and cation exchange resins and they would exchange all anions in solution for hydroxide ions. They will also take up such feeble acids as boric acid, carbon dioxide and phenols. Recently, resins had been prepared by polymerising unsaturated compounds like styrene and then attaching the appropriate groups to the polymer by suitable chemical treatment. Those resins had higher capacities and were more stable than the condensation resins. All ion exchange reactions were reversible and the position of equilibrium was determined by the affinities of the resin for the ions being exchanged. A knowledge of these affinities was important as it enabled one to know what ion exchange reactions would proceed quantitatively and, indeed, which would proceed at all. All applications of ion exchange could be listed under the headings:

Complete removal of ions from solution; separation and concentration; substitution of ions in solution by other ions. The removal of electrolytes from sugar and glycerin solutions, preparation of water equivalent to distilled and conductivity water, the preparation of streptomycin, the separation of amino acids, and the preparation of salts and acids that could not conveniently be prepared by other methods were examples of such application. Somewhat specialised applications were the use of the resins in the form of fine powders suspended in oil-in-water emulsions as deodorants, antiperspirants and as carriers for medicaments. Dr. H. W. HIRSHOT introduced a discussion on the blocking effect of large molecules on the grains of resin and Dr. W. MITCHELL referred to the inactivating effect of bacteria. Dr. KRESSMAN replied to the points raised mentioning the use of non-ionised sterilising agents such as formaldehyde to deal with bacteria when necessary. Dr. A. W. MINOULETON referred to the application of the resins as adsorbing catalysts and in reply Dr. KRESSMAN said that for that purpose the resins should not be completely dried. The advantages of the resins in that connection were that they could easily be separated from the reaction mixture; they caused no charring and did not give rise to polymerisation where easily polymerised compounds were being esterified.

## N.H.S. STATISTICS

IN NORTHERN IRELAND during July 1956, 517,892 prescriptions (517,202 forms) were dispensed at a total cost of £154,553. Average cost per prescription was 1s. 11d. During August 1956, 521,573 prescriptions (524,109 forms) were dispensed at a total cost of £140,240. The average cost per prescription was 15s. 2d. In September 1956, 579,536 prescriptions (581,930 forms) were dispensed at a total cost of £151,541. The average cost per prescription was 12s. 7d. During October 1956, 646,885 prescriptions (649,204 forms) were dispensed at a total cost of £158,591. The average cost per prescription was 12s. 5d.





Some of the principal guests with the branch chairman and his wife (Mr. and Mrs. K. W. Cowell) with other officers and former officers of the branch at the annual dinner and dance of the Reading Branch of the Pharmaceutical Society recently.

## FESTIVE OCCASIONS

### EXETER

#### Pharmacy Teaching Hope

THE MAYOR OF EXETER (Dr. J. C. Fuller) thinks it probable that the city could once again cater for the teaching of pharmacy in view of the recently created University of Exeter and the city's active technical college. The mayor was speaking at the annual dinner and dance of Exeter Branch of the Pharmaceutical Society on March 13. Among the other principal guests were the sheriff of Exeter (Mr. A. P. Steele Perkins), and Mr. D. W. Hudson (vice-president of the Pharmaceutical Society). Mr. PAYNE (Branch chairman) proposed the toast to the city of Exeter. He mentioned the appeal for funds for the endowment of the recently created University of Exeter which was one of the most poorly endowed in the country. In his reply the Mayor responded. The toast to the Pharmaceutical Society was proposed by the SHERIFF and Mr. D. W. HUDSON responded. A telegram of good wishes was received from the Reading Branch (also holding its annual dinner-dance that evening).

### READING

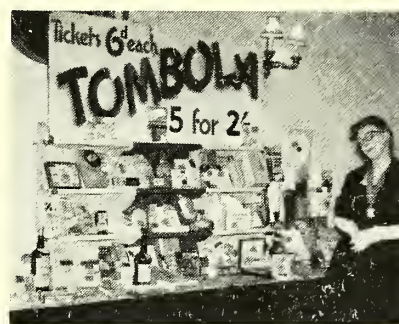
#### A Branch with the Secret of Success

PETROL shortages notwithstanding, 343 diners attended the annual dinner and dance of the Reading Branch of the Pharmaceutical Society at Reading on March 13. After grace by the ninety-four-year-old honorary branch

president (Mr. F. W. VASEY), the branch chairman (Mr. K. W. COWELL) took charge of the proceedings, with the assistance of the toastmaster. Mr. Cowell read a telegram sent on behalf of the Queen thanking the Branch for loyal greetings wired earlier in the day, and also a telegram from the president and members of the Liverpool Chemists' Association. Saying that he wanted to commemorate a pleasant year of office he then presented to Mr. G. C. Hammond (last year's president) a past-president's badge presented by himself and Mrs. Cowell to be passed on to each succeeding past-president. The guest of the evening was SIR HARRY JEPHCOTT (chairman, Glaxo Laboratories, Ltd.), who proposed the toast of the Branch. He said that Lady Jephcott (also a pharmacist) and he were most appreciative of being invited. Within a day or so he himself would be celebrating fifty years since he began his pharmaceutical apprenticeship. When one compared the 1898 pharmacopœia, on which he had been examined, with that of today, it was at once evident that there had been a vast upsurge of scientific discovery. New drugs were available in enormous range, and the pharmacist's function of developing them for patients' use had demanded a fantastic change in what the pharmacist was expected to know. Without a forward look in education it would have been impossible for the pharmacist to undertake the duties currently required of him, and the same forward look was necessary in shaping

the educational policy of the future. Throughout the world no pharmacist was held in greater esteem, he had found on his travels, than the one trained in Britain.

MR. COWELL, acknowledging the toast, recounted the story of the Branch. It had been conceived in 1925, he said, by founder members Vasey and Osborne while they were rowing on the river, and it had had such an enthusiastic membership that nine or ten past-chairmen were present that evening.



Some of the tombola prizes at Reading Branch dinner. At right is Mrs. H. Williams.

and one member (Mr. M. R. T. Scott) had come in from as far away as Wantage. Other guests included the president of the Proprietary Articles Trade Association (Mr. L. D. Smith) with Mrs. Smith, the chairman of the Oxford Branch of the Pharmaceutical Society and the president of the Reading Chamber of Commerce. Their secretary, Mr. Bert Williams had done as much as any to put the Branch where it was today, and the good relations between Reading pharmacists and doctors were evidenced by the number of medical men present as guests. An outstanding feature of the Reading dinner is the tombola, with its impressive tally of prizes. For large parts of the evening there was a queue to purchase tickets. Part of the proceeds goes to pharmaceutical charities.

### MANSFIELD

#### Photo Finishers' Staff Dinner

ONE hundred members of the organisation of A. C. Vallance, Ltd., photo finishers, Mansfield, Notts, attended a dinner and dance of the company in Mansfield recently. Mr. Alistair Inglis



PORTSMOUTH ASSOCIATION'S LADIES' FESTIVAL: Mrs. and Mr. A. J. C. Bull (the Association's vice-president), Mrs. and Dr. W. Taylor, Mrs. and Mr. L. J. Chamberlain (president) and Mrs. and Mr. R. J. Berry (secretary). (See C. & D., March 23, p. 324.)





Diners at the recently held annual dinner and dance of A. C. Vallance, Ltd., Mansfield.

(president of the Wholesale Photo Finishers' Association) and his daughter travelled from Edinburgh to attend. Mr. N. J. Antoine proposed "The Com-

pany," Mr. George Vallance replying. MR. VALLANCE said that when colour photography replaced black-and-white among amateurs his company would be

"in the front row." He was shortly visiting the United States for an exhibition at Washington and a tour round a colour photography plant at Rochester.

## BRANCH MEETINGS

### DARTFORD

#### Toxoids and Vaccines

A JOINT meeting of Dartford Branch of the Pharmaceutical Society and Kent subsection of the Royal Institute of Chemistry was held in Dartford recently, when DR. H. J. PARISH spoke on immunisation with toxoids and vaccines. He discussed briefly the various methods of immunisation against diphtheria, tetanus, pertussis and vaccination against smallpox. Careful timing of the treatment was necessary to avoid interference either from anti-toxins passed on to the infant by the mother or from different vaccines. Dealing with poliomyelitis vaccine he said that with the present incidence, 2,500 vaccinations were needed to prevent one case.

### FINCHLEY

#### Customs and Excise Service

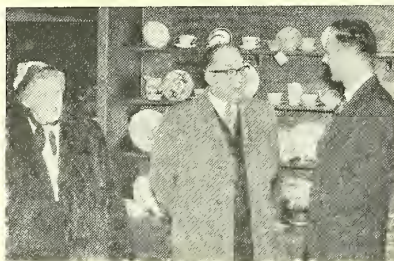
THERE was an authentic flavour about a smuggling story heard by members of Finchley and District Branch of the Pharmaceutical Society recently—it was told by custom and excise officer (Mr. F. C. Tanner). Mr. Tanner briefly outlined the history of the service, and went on to list the sources of revenue and their order of importance to the Treasury. Certain duties on non-essentials such as tobacco and alcohol were, he said, imposed to obtain revenue without hardship, on the theory that, if a person could afford those luxuries, he could afford to contribute to the country's expenses. Purchase tax, a war-time measure, was, unfortunately, still in operation; it produced about £400 millions per annum and to remove it now would mean that that enormous sum of money would have to be raised by some other form of taxation—not an easy thing to devise.

### ABERDEEN

#### Formulary Preview

A PREVIEW of the 1957 British National Formulary was given to members of Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society at a recent meeting by DR. K. R. CAPPER (editor, Pharmaceutical Society's scientific publications). Notes on stor-

age and on new drugs which had been introduced since the last edition would be included and there would be a list of approved names and official titles. The National Formulary, he said, was originally introduced under the 1929 Insurance Act Committee and issued by the British Medical Association. During the war the National War Formulary made its appearance, and in 1948, with the onset of the National Health Service, the Joint Formulary Committee, comprising members of the Pharmaceutical Society, the British Medical Association and representatives of the Ministry of Health, was formed. The committee welcomed comments and criticisms from pharmacists on the compounding of any of the preparations contained in the Formulary.



Mrs. and Mr. Donald W. Hudson (vice-president of the Pharmaceutical Society) with Mr. Robert Copeland (a director, W. T. Copeland & Sons, Ltd.) at the Spode china works, Stoke-on-Trent, on the occasion of his visit to the North Staffs Branch of the Pharmaceutical Society recently.

### GLASGOW

#### Formulation for Codex and N.F.

"FORMULATION for the British Pharmaceutical Codex and the National Formulary" was the subject of an address by Dr. K. R. Capper (editor of the Pharmaceutical Society's scientific publications) at a recent meeting of Glasgow and South-western Scottish Branch of the Pharmaceutical Society. DR. CAPPER said that the B.P.C., first published in 1907, formerly gave some of the information now given in Martindale. In 1934 it became the second book of standards. Preparations which could not be made because drugs in the formula were unobtain-

able were not included in it, but the drugs were given monographs. The Codex committee was a subcommittee of the Society and had eighteen members, sixteen of whom had pharmaceutical qualifications. The N.F. was largely a handbook for prescribers as well as a formulary. The formulation of new preparations which could be extemporaneously prepared involved stability of the preparation and the presentation of a product elegantly coloured and flavoured. That work was carried out partly in the Society's laboratory and partly by members of the committee and voluntary workers recruited through the Branches. MR. J. SUMMERS asked if there was any collaboration between Britain, the United States and the Continent in the formulation of official preparations. DR. CAPPER said that there was no collaboration with the United States so far as the B.P.C. and the N.F. were concerned, but there was a considerable exchange of information with the United States and with Continental countries at various levels. PROFESSOR J. P. TODD said that the colouring of poisons could be traced back to the reign of James VI of Scotland, who had been responsible for the first poison law when he ordered the colouring of copper arsenite. He did not think that tablets should be coloured and Scottish pharmacists, he said, would resist the colouring of linctuses.

### LEEDS

#### Common Law Responsibilities

THE pharmacist's responsibility in relation to his assistants' conversation with customers and other points of common law were dealt with by MR. C. C. STEVENS at a recent meeting of the Leeds Branch of the Pharmaceutical Society. The pharmacist was also responsible, said Mr. Stevens, for keeping the entrance to, and the shop itself, clear of obstacles which might lead to accidents with subsequent damages claims. The fatuity of offering sums of money if the efficacy of a product was not proved and the precaution of placing warning labels on goods, disclaiming responsibility for possible harm to the person, were also discussed.



## FIGURES IN THE PHARMACEUTICAL WORLD

**P**HARMACEUTICALLY speaking, Northern Ireland is unique among the territories of the United Kingdom in having an active and purposeful organisation of employees. For the causes of its vitality there is no need to look further than the members of the present committee, but to understand its continuity and effectiveness in operation a deeper probe is necessary, and the search would soon reveal the creative influence of Mr. W. H. Boyd.

"Harry" Boyd, one of the leading figures in Northern Ireland pharmacy today, is well known also in Britain, especially among those pharmacists who regularly attend the meetings of the British Pharmaceutical Conference, at almost all of which he has been present since the first post-war Conference meeting at Torquay in 1948. He is a force in all the Northern Ireland pharmaceutical organisations: a member of Council and past-president of the Pharmaceutical Society of Ireland; a member of Executive and past-president of the Ulster Chemists' Association; a member of the Negotiating Committee (the Northern Ireland equivalent of the Central N.H.S. (Chemist Contractors) Committee); and a member and past-chairman of the Northern Ireland Local Pharmaceutical Committee. In the wider sphere of public affairs he is a member of the Northern Ireland Health Services Board and of the Northern Ireland Poisons Board. As a photographic retailer, too, he represents his colleagues on the local committee of the Photographic Dealers' Association.

Having attained such status in the counsels of pharmacy in Ulster, Mr. Boyd could easily have forgotten or outgrown the employed pharmacists in whose interests he had entered public life. That he has not done so may be seized upon as the clue to his character and personality. It was in 1945 that he and Mr. H. W. Gamble stood for election to the Council of the Pharmaceutical Society of Northern Ireland and, in slang parlance, "romped home." The assistants at that time were not convinced that the Council was as live as it should be, and successfully put up Messrs. Gamble and Boyd to wake things up. The employee pharmacists of that time and since have no reason to regret those efforts. Indeed they can congratulate themselves that the return of their candidates was one reason why the voice of youth is given such a good hearing and exercises an obvious influence on affairs today. When, for example, the Ulster Chemists' Association sends representatives to the Department of Health to argue a case or state a claim, among them, almost certainly, are one or two Associates who, far from being silent supporters, are acknowledged by all to have imposed their own weight on the negotiations.

The confident rôle of the assistants today is a true reflection of the support they have always had from Mr. Boyd; though it is a long time since, as an employee himself, he has had identical interests with them. Mr. Boyd's influence is towards seeing one's own demands and aims in relationship to the economy



48. Mr. W. H. BOYD.

of pharmacy as a whole. Salary claims, for example, that are too extreme stand small chance of being satisfied. They make no headway with proprietors who, from competition, must relate salaries to what the business will stand. And among the assistants themselves, some of whom are destined one day to be proprietors, exaggerated demands cannot command the wholehearted backing that would be given to more reasonable proposals. Mr. Boyd is able to speak with authority on that aspect from his own experience of 1938, when, though accepting chairmanship of the short-lived Belfast branch of the Pharmaceu-

tical Employees' Union affiliated to the Union of Shop, Distributive and Allied Workers, he warned that the demands his fellow-members were making had not the slightest chance of being successful. In the event it was the Union that succumbed, lasting only a few months. When, in 1945, the Associates' Section of the U.C.A. was set up and Mr. Boyd became a founder member of its committee (later serving a term as chairman) he saw to it that the Section's feet were firmly on the ground.

He already regarded it then, as he sees it now, as a means of training young pharmacists to see pharmacy's



problems as a whole. As a result, it is already clear that when present council members of the main professional and trade associations come to lay down their office, there are others of high calibre well able to take their place.

To see and help keep things in proportion has been Mr. Boyd's most valuable service to Northern Ireland pharmacy. It comes the more easily to him because he has never allowed other interests to be neglected. Thus in sport

he is secretary of the Ulster Chemists' Golfing Society and a member of council of the Ormeau Golf Club. In Freemasonry he is a member of the Galen Lodge and Chapter, a member and Past Master of the Corinthian Lodge, a member and Past King of the Fort-William Chapter, and a member of the Unity Preceptory. Proudly Irish, he is a connoisseur of the folk songs of his country, both sides of the Border. But he also speaks with

authority on the folk songs of England, and is on the best of terms with his English, Scottish and Welsh pharmaceutical colleagues.

Were circumstances to call for joint action between the chemists of Northern Ireland and those of England and Wales he would show the same loyal co-operation, and give the same valuable backing as, with Mr. Gamble, he gave to Scottish pharmacists in their stand for better terms in 1949.

## Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

### Standards of Pharmacy

SIR,—I much resent the views of "Lancashire Lad" (C. & D., March 23, p. 322). I should be pleased to show him round this pharmacy at any time to see the high standard of cleanliness, efficiency of staff, and attractive window and counter displays.

(MRS.) M. DOE, M.P.S., *Director*,  
L. MATTHEWS & SON (CHEMISTS), LTD.  
London, E.11

### Old-time Remedies

SIR,—While on locum duty recently in a South Yorkshire town I made up quite a number of old-time recipes—mainly for country folk. They included "Four a'p'orths," Chelsea pensioners' drops, Indian brandy, "Home-made," lemonade crystals—and health salts. Of course our modern B.Pharm.'s would frown on such "Old wives' nostrums." But they fill many needs quite as well as some of the pseudo-scientific synthetic products foisted on to the present generation at greatly enhanced cost.

OLD-TIMER

### Council Candidates' Platform

SIR,—As in former years the London Pharmaceutical Associations and East Metropolitan Branch of the Pharmaceutical Society are combining under the aegis of the London County Pharmaceutical Association to provide a platform for candidates for election to the Council of the Pharmaceutical Society who are being asked to state their policy and answer questions. This year the venue is the examination hall at 17 Bloomsbury Square, at 7.45 p.m. on Wednesday, April 17. It would be appreciated if intending candidates would inform me if they contemplate attending the meeting. A warm welcome is given to all pharmacists to attend.

London, W.C.1 W. F. WILKINSON

### A Call for Strong Action

SIR,—With reference to your editorial of March 30, may I say that chemists have a good opportunity of identifying themselves with their colleagues, the doctors, in their transactions with the Ministry. They should make their own claims for better rates of pay to coincide with those of the doctors, and declare a "strike" at one and the same time. Such action would ensure the acceptance by the Ministry of both claims. The time is past when negotiations round a table might bring results, for the Government has given ample

proof that it is deaf to all entreaties made in a reasonable manner, and strong action is the only thing it understands. Let chemists stand by the doctors in this fight. Such action would also demonstrate to the public that the general practitioner is helpless without the chemist, for unless a doctors' prescription can be translated into a bottle of medicine, or a box of tablets, his treatment is practically useless.

Greenford M. ROBERTS WILLIAMS

### "Co-operation" Not Obvious

SIR,—I have noted in my local Co-operative stores that each department seems to be in competition with the others. Counter shows of "night-cap" beverages, baby foods, fruit drinks and "patent" medicines vie with one another in pharmacy and grocery departments. Lipsticks and perfumes are found in the millinery and drapery departments as well as in the pharmacy, which shares with the ironmongery department the sale of sun-lamps, electric blankets, hot-water bottles, sponges and toilet requisites. A branded aspirin is on display at the tobacco counter and even in the cafeteria. No wonder that, in the annual report of any large Co-operative concern, the pharmacy department figures are low on the departmental returns. Is it not time for the Pharmaceutical Society and National Pharmaceutical Union to press for at least the sale of all medicines and medical products to be sold by authorised sellers (pharmacists) exclusively.

COADJUVANT

### Royal Jelly

SIR,—Having for a long time taken a special interest in Royal jelly and the claims made for it, and having made myself familiar with the products of the several Continental producers, I may be in a position to give guidance upon it to some of your readers. That Royal jelly is a remarkable and natural food, which restores health and vigour to the great majority of those who take it, I can vouch from personal experience and wide investigation. I have seen the jelly work wonders within forty-eight hours of administration of the first dose. The isolation and use of Royal jelly for human consumption are recent, though its importance and place in the hive and in honey production have been known to apiarists for hundreds of years. No beehive could exist, and not a single ounce of honey could be produced, without it. That

it has to be "stabilised" for human use is obvious. The method of stabilisation—and each producer has his own—is no one manufacturer's secret. There are several highly reputable producers in whose product the public can have perfect confidence. Some firms incline towards exaggerated claims for their own method, but those claims are largely for advertising purposes. Little heed need be paid to them. A matter of far greater concern is the product's nutritional value. Buyers should note carefully what amount of Royal jelly goes into the ampoules supplied. Royal jelly as prepared for human consumption by the best firms is an admixture of the jelly with liquid honey. The honey is there for administrative ease as well as for its preservative properties; it is the natural vehicle of the jelly. But the Royal jelly itself is what revitalises, and since the weight of it in each box of ampoules by different producers varies enormously (some have too little to be of service), the public would be well advised to examine that aspect closely if they want full nutritional value and economy of purchase. The Royal jelly content is given in mgm. (or should be) on each box. Most authorities consider that an amount of less than 1,000 mgm. is inadequate. "The Milk of Bees," one product on sale in this country contains 1,010 mgm. of Royal jelly in twenty-six ampoules, plus 0.250 mgm. of Queen's embryos (rich in amino-acids). Preparations with a still higher percentage of Royal jelly per ampoule are obtainable and most serviceable in serious illness, but at a proportionately higher cost. Royal jelly is also available in ampoules for injection. It cannot be made synthetically, nor can chemical additions be made to it, even in extremely small quantities, without spoiling or destroying its constituents. Royal jelly is not a "cure-all." It is not a medicine. It is a natural tonic like honey, but much more active.

TOM HOBSON

Shortlands, Kent

### Manufacturers Please Note

SIR,—I find your column giving a list of lines to be advertised on I.T.V. very useful when dressing my window, but often find it incomplete. I wondered whether, if advertisers knew that use was made of it by retailers, they would be more inclined to notify you of their bookings.

Preston

J. ANDERTON



# Jantzen <sup>Rd.</sup> launches revolutionary new watertight 'Diving Belle'

In the biggest-ever  
advertising campaign  
for a swimcap.

Nearly 6½ million women will see this striking advertisement in WOMAN *plus* powerful backing throughout Jantzen's National Swimsuit Campaign!

## TIE-IN

with this terrific campaign

## CASH-IN

on the big profits

'Diving Belle' features an exclusive Herringbone Rim, that was developed by scientists after extensive research. It's designed to keep hair really dry! 'Diving Belle' joins Jantzen's seal-tight 'Diving Girl' swimcap, a rapid seller you know already.

'Diving Girl' 5/3d. 'Diving Belle' 7/6d.  
(incl. P.T.) (incl. P.T.)

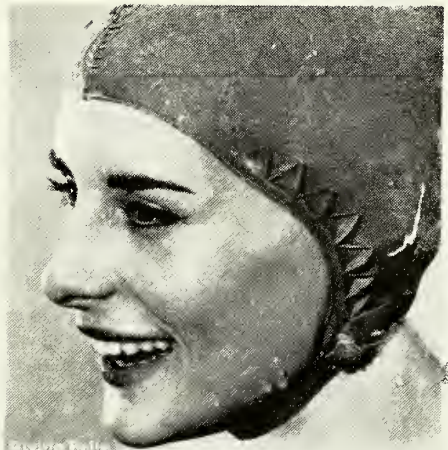
All Jantzen swimcaps are packed in individual cartons, designed to keep each cap absolutely clean. They come to you in sturdy 2-dozen sell out containers that make excellent, hard-selling displays; and, this year, there's a special 'Jantzen Original' Tag attached to every swimcap. Both these attractive display items are designed to tie in with Jantzen's big publicity campaign for 1957!

Don't miss out on your share of the big PROFITS to be made on Jantzen Swimcaps. They're real money-spinners and bound to be big sellers!

Remember, when ordering Jantzen swimcaps you can choose from six different packs containing various sizes and colours. Each swimcap carton has a cellophane 'window' so that the colour and size of the swimcap are easily visible. Order your supplies from your regular Chemists' Sundries-man NOW!

If you have any trouble in ordering, contact Long & Hambly Ltd. (Sole Licensees for Jantzen Swimcaps), at High Wycombe, Bucks. Tel: High Wycombe 2321.

Jantzen <sup>Rd.</sup> introduces a  
revolutionary new  
watertight  
swimcap



with a Herringbone Rim  
to keep every strand  
of your hair really dry!

Every Bathing Beauty wants a becoming swimcap to keep her hair absolutely dry. Here it is — 'Diving Belle,' a new, featherweight, fashion cap with a Herringbone Rim. This exclusive rim was developed by scientists after extensive research, and is designed to fit snugly and comfortably against your head and keep out every drop of water. 'Diving Belle' is made from live, natural rubber — so light you hardly know you're wearing it — yet it's wonderfully flexible and long-lasting. You can wear 'Diving Belle' with straps, or strapless — snap off the stud fasteners and it will stay on just as well! 2/6d



Jantzen also make the world-famous  
'Diving Girl' swimcap

It's a seal-tight, head-hugging swimcap in pink, orange, rubber. Patterned with the famous 'Diving Girl' emblem, this fluttering swimcap is designed to be worn with or without straps. 1/6d

BEAUTY HINT!  
Keep your curls dry by wearing your Jantzen swimcap at the bath, too.



Available from Jantzen Swimwear Stockists, and High-Class Chemists everywhere



Rose-coloured glasses? Blue? Green?

THE CHEMIST  
APRIL 6, 1956

# COLOUR sun

## WITH BRITAIN'S FIRST 'NATIONAL NEWSPAPER CAMPAIGN FOR SUNGLASSES'

in 1956, BARTEX sold 500,000 pairs despite the disappointing weather. This year we go into action with a heavier volume of advertising, starting May 29th. Television sells your public; so do a sum-total of 73,000,000 advertisements. Be ready to break records with the Whitsun drive, the peak mid-June big drive and steady support from T.V. on London, Midland and North.

### When women see Colour glasses

on the counter they're quick to try the new idea. Here's fashion flattery, fun! Sunglasses can match with playclothes, dresses, swimsuits. Here's first-class help in selling women a *second* pair of sunglasses in gay COLOUR.

**Men always like the scientific** shapes, the comfort of featherlight Rhodoglass lenses. They like the styles built with their needs in mind, for sports or for easy reading.



**BIG ADVERTISEMENTS**  
in these papers sell  
**BARTEX Colour** for you

Daily Mirror  
Daily Express  
News of the World

Radio Times  
Woman (in colour)  
Woman's Own  
(in colour)

it's on Television from June  
to Mid-July

# BAI

Good-looking



# sses send sales sky high

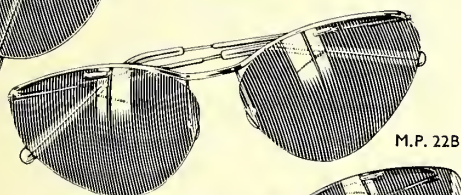
**5 COLOURS**  
please everyone

**7 STYLES**  
suit every face

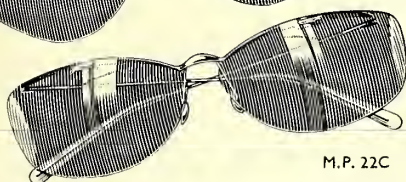
**10/6d**  
RETAIL



M.P. 22A



M.P. 22B



M.P. 22C

2 CLIPOVERS in sizes small, medium, large

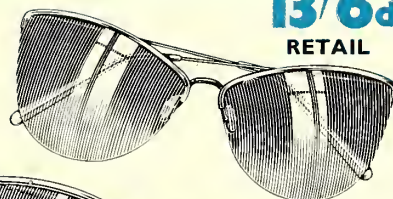


SMOKE **5/3d** RETAIL

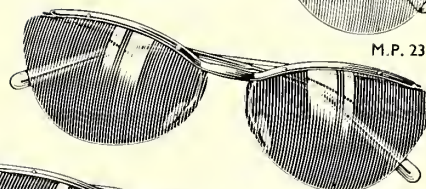


DEGRADE **5/11d** RETAIL

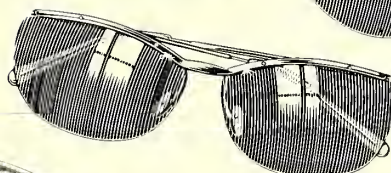
**13/6d**  
RETAIL



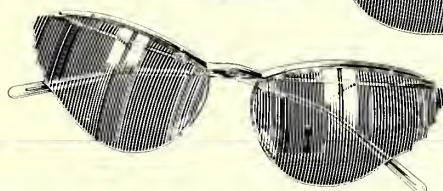
M.P. 23A



M.P. 23B



M.P. 23C



M.P. 23D

**Make the most of your new sales-aids**



Magnificent, revolving, window and counter displays — counter leaflets — free from your wholesaler. Have Bartex with the Gold Label Guarantee well displayed in its handy, handsome new 3-corner case, and watch your sales-curve climb.

**Order from your wholesaler**



# TEX Featherweight sun glasses

the Sun



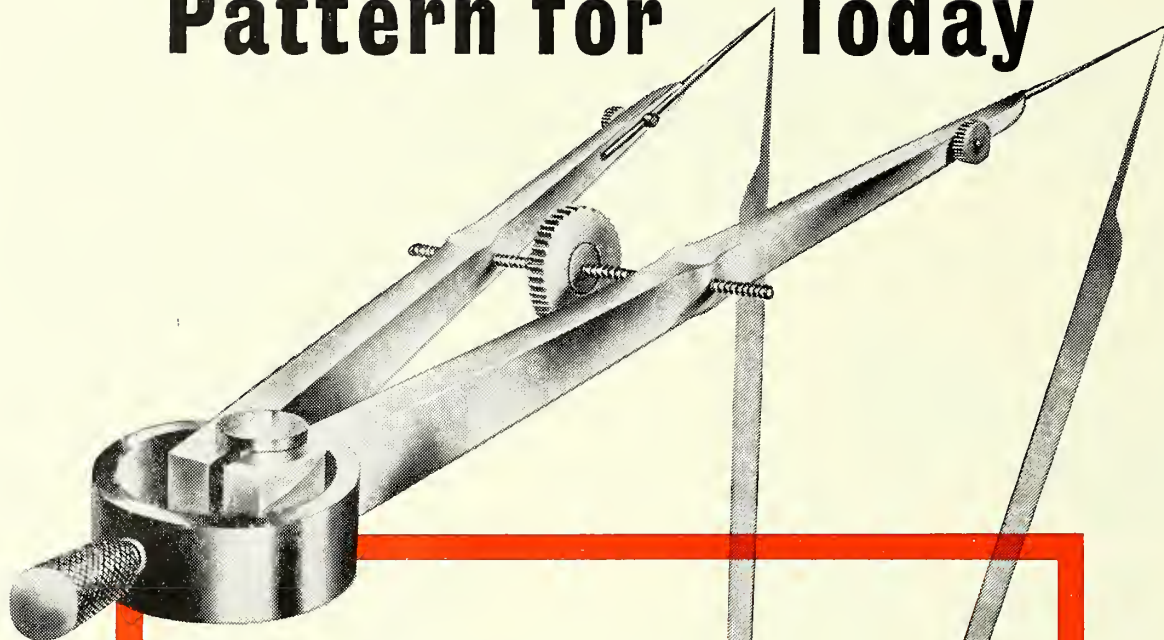
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# Pattern for Today



Today, the preference is for oral rather than parenteral treatment—provided it is as effective. Penicillin-V has precisely this advantage, giving clinical results consistently comparable with injectable penicillin. It achieves this end because, unlike penicillin-G, it is remarkably stable in gastric secretion. Penicillin-V gives higher blood levels than other oral penicillins and is more potent, dose for dose. When penicillin is indicated, let Penicillin-V Lilly be the choice.

**Average Dose:** 125mg. (200,000 units) four times daily, increased in severe infections.

**'Pulvules'** 125mg. and 250mg.

**Suspension** Paediatric 62.5mg. per 5cc.

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Tablets and Suspension Penicillin-V-Lilly.

## PENICILLIN-V-LILLY

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ELI LILLY & COMPANY LIMITED, BASINGSTOKE, ENGLAND



# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

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Published weekly at

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TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

## More Than Ever Like Guesswork

IN 1957-58 the cost of the pharmaceutical services under the National Health Service is expected (see p. 365) in England and Wales to increase by about 5 per cent. and in Scotland to fall by about 1 per cent. Thanks, however, to the current basis of prescription charges the cost to be borne by the Exchequer is expected to fall in the three countries by respectively 2.7, 1.5 and 6 per cent.

The impact of the new prescription charges (in the shape of fewer prescriptions) is also expected to be seen in the figures for dispensing-fee payments, where falls of about 8 per cent. in England, 7 per cent. in Wales, and a slight drop in Scotland are envisaged. The estimated drop in Scotland would probably be greater but for the fact that the dispensing fee there was recently increased, and will have its effect only in the next financial year, whereas the estimates for England and Wales take account of the higher fees that were paid during the financial year 1956-57.

If the prescription levy on the new basis was, when imposed, expected to result in fewer prescriptions, there was never much doubt that the individual prescriptions would also be dearer. The Estimates put the rise in the ingredient at about 8 per cent. in England and 10 per cent. in Wales; but indicate a drop of about 1 per cent. in Scotland. Thus it would appear that, from the only slightly smaller number of prescriptions expected, and the slight drop in ingredient cost, the effect of the levy in Scotland is being largely discounted. Whether the authorities are correct in that assumption remains to be seen. Certainly in Scotland in December 1956 the number of prescriptions fell substantially, but the average net ingredient cost rose by fourpence. It may be that that result was caused only by the sudden shock of the new charges, and that costs and numbers will shortly settle down at about their former levels.

The yield from prescription charges, it is to be noted, is expected to be in 1957-58 52 per cent. higher in England; 56 per cent. higher in Wales; and 32 per cent. higher in Scotland than it was in 1956-57. The Scottish figure reflects the lower average number of prescriptions per form than in England and Wales. Since the average number of prescriptions per form in Scotland is low, it can be argued that changing the levy basis from "per form" to "per prescription" will have less effect than where the ratio of prescriptions to forms is higher.

The levy charge has certainly made the task of estimating pharmaceutical costs more unpredictable than

it was. Added to a general inflationary situation nationally and an imminent Budget that may contain further surprises, the levy must cause even less reliance than usual to be placed on the estimated costs for the forthcoming year, slight as that has been in the past.

## A NEW FILM

### People Apart

British Epilepsy Association, 27 Nassau Street, London, W.1. 16-mm. or 35-mm. Black and white. Sound. Running time thirty-five minutes.

MADE by Guy Brenton (Morse Films) with the aim of giving the public facts about epilepsy and so removing many prevalent fears due principally to ignorance, the film is made without professional actors. Its principal characters are actual sufferers who have co-operated in a documentary presentation of some of their thoughts and feelings in adapting themselves, with greater or less success, to a world in which most people, though "normal," are preoccupied with their own problems and tend to fear what they do not understand. Without "soft-pedalling" in any way the handicaps attendant upon the condition, the film makes clear on the one hand that, between seizures, an epileptic is normal; and on the other that an excess of sympathy is uncalled for and may be harmful, the sufferer threatening no danger to others and usually none to himself. The Association wants as many people as possible to see the film, and intends to apply for a certificate for public showing. The film is available now for private showings (cost: about £4 for the 35-mm. version; £2 for the 16-mm.). Applications should be made to the Association's general secretary.

## Onward from Galen

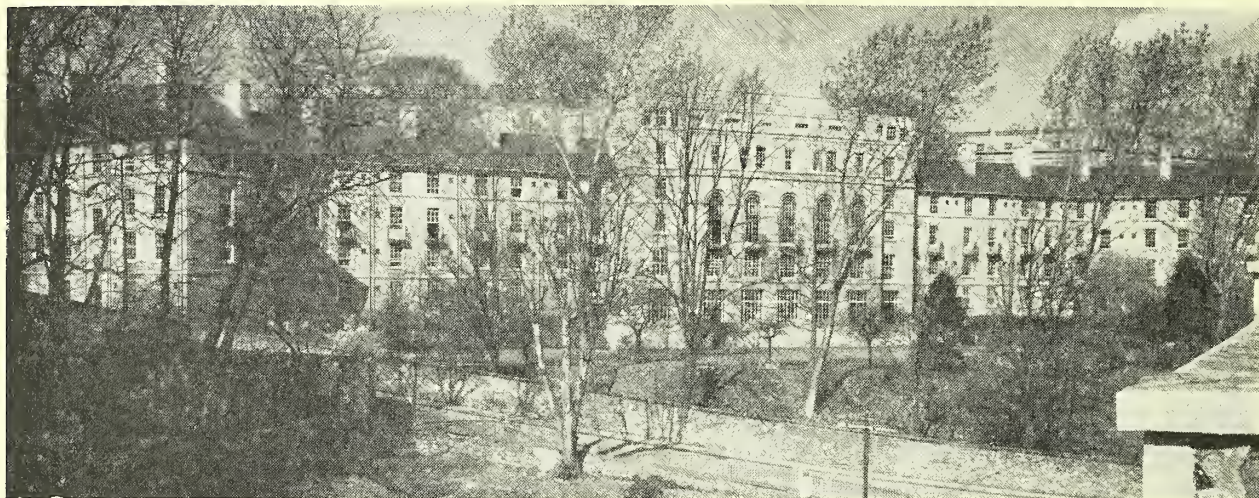
### A CURRENT CAUSERIE

"JUST after 7 on a Saturday night," writes a chemist contractor, "there was a click at the shop door and the last rota patient called out 'Look what's come through the letter box.' I put down the measure and read the note scribbled on an odd piece of cardboard: 'You are lazy!' That was too much after a busy Saturday and an hour's rota, and I dashed to the door. A little man was just cycling off and I ran after him flourishing the note, calling out 'Did you write this?' The man had been the last-but-one rota patient and he gave a grunt. 'But why? We told you we only had a drop of lotion C left and asked you to come back on Monday morning.' The man looked blank and it suddenly dawned on me that he was deaf and dumb. Beckoning him back to the shop I wrote out the message on a piece of paper and drained out the  $\frac{1}{2}$  oz. of lotion. He nodded and looked pleased and I let him out the shop, heartily wishing the deaf and dumb carried the equivalent of a white stick."



A MILD CASE OF ENVY





## BRISTOL'S HALLS OF RESIDENCE

An introduction to the temporary homes of  
many Conference members this year

**W**HEN Mr. George Alfred Wills commissioned the building of a hall of residence at Stoke Bishop for students of Bristol University he said "Build the best Hall you can, and I'll foot the bill," or words to that effect. That, of course, was in the more spacious days of 1929—long before the 1939–45 war. It is doubtful whether any benefactor today, however wealthy, could give such a free hand.

The authorities took as their general model a typical Cambridge college, built around a quadrangle. Along each of the four sides are entries, each leading to living quarters for twelve or ten students. The rooms abut on to staircase landings but have no internal corridors to the next set of

The oak-panelled dining room at Wills has much the character of one of the College dining rooms at Oxford or Cambridge. The adjoining large common room will provide comfort and relaxation for its temporary residents, although it looks rather bare in the photograph, which shows it without its usual chairs.

Wills Hall is only one of five halls that will be available for Conference visitors. A near neighbour, Churchill Hall, comprises two converted mansions, "The Holmes" and "Claverton," each with one-, two- and three-bedded rooms, and a larger main building, opened only in 1956. The single rooms of the new Churchill building are handsomely decorated, and furnished much as in Wills Hall, except that



Burwalls, formerly the residence of Sir George Wills; and Clifton Hill House, close neighbour to Manor Hall, picture at the head of the page. At right, the new Churchill Hall building, opened 1956.

twelve or ten chambers. At Wills Hall practically every one of the 165 resident students has his own room, combining bedroom and study, with bed, gas fire, table, lounge chair, one or two upright chairs, and shelves for books. A built-in wash-basin is ordinarily concealed behind one of two "cupboard" doors (the second closing a built-in wardrobe).

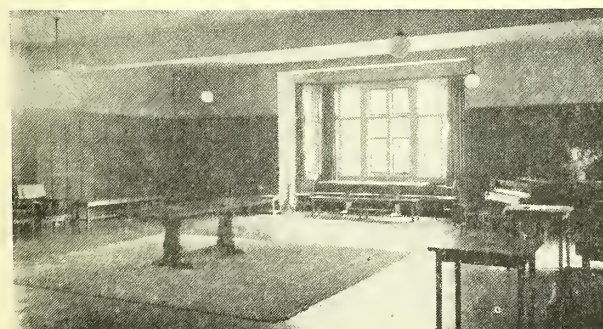






Wills Hall in its outer aspect is shown at left. The smaller illustration above shows the typical quadrangle entries to the living rooms. Below are the refectory, a typical bedroom and the common room (minus its usual chairs).

they open on to a corridor. Washing facilities at this Hall are grouped near the corridor ends. They comprise wash-basins, baths and showers. There are also at Churchill other "communal" facilities—among them a room for making afternoon tea, and a room for washing and ironing. The dining room for the three domiciles of Churchill is at "Claverton," a mansion reflecting the comfortable standards of the Victorian era. "The Holmes," a rather older building of some architectural distinction, has oak panelling round its principal rooms, a handsome timber staircase, and a spacious common room with a polished floor that does duty admirably on occasion for dances. The common room looks out on well laid-out



and well cared-for flower gardens. A billiard-room adjoins the common room.

A third "men's" Hall (there will not, of course, be the same segregation of Conference members as of students) is just across the Clifton Suspension Bridge at Leigh Woods in Somerset. Burwalls, opened in 1946, was formerly the home of Sir George Wills and has accommodation for forty residents.

The two remaining Halls of Residence, ordinarily for women students, are the Clifton Hill House and Manor Hall, both comparatively near to the university and practically adjoining one another at the top of Clifton Hill. Clifton Hill House is a Georgian mansion that first became available for its present purpose in 1909. Manor Hall, set splendidly among trees, was built in 1932, again through the beneficence of the Wills family.

In proportion to the total accommodation the number of double rooms is not large, and they are mainly in "Claverton" and "The Holmes." But the Local Conference Committee is expecting that many married couples will prefer adjacent single rooms at Wills or Manor, with their built-in wash-basins and generally more modern character.

There can be no question but that Bristol University is extremely fortunate in the accommodation it has for its students, and the Local Conference Committee must be accounted equally fortunate in being able to place such amenities at the disposal of the visitors. It is a safe prophecy that many Conference members, after their work in the Halls of Residence, will leave them "with affectionate regret" to use a phrase taken from the book "The Life of a University," which in fact describes the University of Bristol.



## GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### TUCAL lozenges

MANUFACTURER: Chelspa, Ltd., Ucal Works, Cheltenham, Glos.

DESCRIPTION: Pleasantly flavoured lozenges, each containing phenol, 0.9 per cent.; menthol, 0.9 per cent.; iodophenol, 0.03 per cent.; amyl-m-cresol, 0.06 per cent.; thymol, 0.06 per cent.

INDICATIONS: To relieve soreness from viral infection and in tonsillitis, Vincent's angina, ulceration, glossitis, thrush, tooth extraction, etc.

DOSAGE: *Adults and Children*, in severe cases, 1 lozenge to be slowly sucked every half-hour; as a prophylactic, 1 lozenge to be slowly sucked every hour or so.

HOW SUPPLIED: In packs of sixteen, fifty and 100.

FIRST ISSUED: January 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### VIACUTAN emulsion

MANUFACTURER: Ward, Blenkinsop & Co., Ltd., 37 Queen Square, London, W.C.1.

DESCRIPTION: An oil-in-water emulsion for external application containing 1 per cent. silver dinaphthylmethane disulphonate.

INDICATIONS: Treatment of varicose ulcers, bed sores, burns and scalds.

USE: Layers of gauze soaked in the emulsion are applied to the ulcer and covered with cotton wool and a built-up pad of plastic foam. A cotton elastic non-adhesive bandage is then applied very tightly, commencing just above the toes with a figure-of-eight around the ankle and up the leg to just below the knee, with an extra turn over the ulcer. Dressings should be changed daily.

HOW SUPPLIED: in 100- and 400-c.c. bottles.

FIRST ISSUED: February 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### BILOSTAT

MANUFACTURER: Weddel Pharmaceuticals, Division of The Union International Co., Ltd., Watsons Road, London, N.22.

DESCRIPTION: Tablets, each containing dehydrocholic acid, 0.25 gm.

INDICATIONS: Biliary and hepatic disorders. See maker's literature.

DOSAGE: 1-3 tablets two or three times a day, or as directed.

HOW SUPPLIED: In bottles of twenty and 100 tablets.

FIRST ISSUED: February 11, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### COLLOZETS

MANUFACTURER: Crookes Laboratories, Ltd., Gorst Road, Park Royal, London, N.W.10.

DESCRIPTION: Pleasantly flavoured lozenges each containing tyrothricin, 1 mgm.; and cetyldimethylammonium ethyl sulphate, 2 mgm.

INDICATIONS: Sore throat associated with coughs and colds; streptococcal tonsillitis and pharyngitis; Vincent's angina; oral thrush (moniliasis); stomatitis; gingivitis; prophylaxis against colds and sore throats when exposure to infection has occurred; prophylaxis against stomatitis and parotitis in debilitated patients.

DOSAGE: 1 lozenge should be placed either under the tongue or in the cheek pouch every two or three hours or more frequently as required, but the total daily dose should not exceed 8 lozenges. The treatment should be continued for two or more days until condition has been brought under control. For young children the lozenges may be broken in half.

HOW SUPPLIED: In box of eighteen (foil-wrapped).

FIRST ISSUED: December 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### TARCORTIN cream

DISTRIBUTORS: (for Great Britain): Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

MANUFACTURER: Stafford-Miller, Ltd., 166 Great North Road, Hatfield, Herts. (By arrangement with Reed & Carnrick, Jersey City, 6, N.J., U.S.A.)

DESCRIPTION: A synergistic combination of hydrocortisone and coal-tar extract, 0.5 per cent. hydrocortisone and 5 per cent. special coal-tar extract in a hydrophylic cream base.

INDICATIONS: Subacute and chronic dermatoses.

USE: Applied locally to affected areas three or four times a day.

HOW SUPPLIED: In 7-gm. tube.

FIRST ISSUED: December 1956 (in United Kingdom).

REFERENCES: Bleiberg, *J. med. Soc., N.J.*, 53, 371. Welsh and Ede, *Ohio St. med. J.*, 1954, 50, 837.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### UNIPLEX

MANUFACTURER: Weddel Pharmaceuticals, Division of The Union International Co., Ltd., Watsons Road, London, N.22.

DESCRIPTION: Tablets, each containing aneurine hydrochloride, 1 mgm.; riboflavin, 1 mgm.; nicotinamide, 5 mgm.; granulated whole liver extract, 125 mgm.

INDICATIONS: Treatment of listlessness, undue fatigue, anorexia and irritability with anxiety symptoms; and all conditions where the vitamin B intake may be below normal, such as pyrexia, debility, glossitis, neuritis, pregnancy, lactation, diabetes, alcoholism, impaired kidney or liver function, and for the patient who needs to live on a restricted diet.

DOSAGE: 3 tablets daily.

HOW SUPPLIED: In bottle of fifty tablets.

FIRST ISSUED: February 11, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### EF-CORTELAN with neomycin eye drops

MANUFACTURER: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Eye drops containing hydrocortisone acetate, 1 per cent.; neomycin sulphate, 0.5 per cent. (equivalent to 0.35 per cent. neomycin base).

INDICATIONS: Inflammatory conditions due to trauma, allergy and other irritants, especially when infection is present or suspected (e.g., infected corneal ulcer).

DOSAGE: 1-2 drops instilled into the eye every one or two hours.

HOW SUPPLIED: In 3-c.c. vial with dropper.

FIRST ISSUED: November 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

### MYCIGUENT lotion

MANUFACTURER: Upjohn of England, Ltd., Crawley, Sussex.

DESCRIPTION: A stable fluid emulsion miscible with water and containing neomycin sulphate in the same concentration (0.5 per cent.) as is employed in Myciguent ointment. It is a vanishing type of lotion and is therefore particularly acceptable for use on the face, scalp and other exposed areas. It is bland and non-irritating and especially suitable for children. Each c.c. contains: Neomycin sulphate, 5 mgm. (equivalent to 3.5 mgm. neomycin base); methylparaben, 2 mgm.; and butyl-p-hydroxybenzoate, 3 mgm.

INDICATIONS: Insect bites, minor cuts and abrasions, impetigo, folliculitis, infectious eczematoid dermatitis, secondarily infected ulcers and burns, napkin rash and infections associated with prickly heat.

USE: To be applied once or twice daily.

HOW SUPPLIED: In 1-fl.-oz. plastic squeeze bottle.

FIRST ISSUED: January 1, 1957.



THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**PENAVLON V\*****MANUFACTURER:** Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Ches.**DESCRIPTION:** Tablets, containing phenoxymethylpenicillin (penicillin V) equivalent to 120 mgm. free acid, and equal to 200,000 units penicillin G.**INDICATIONS:** All penicillin-sensitive infections. Penicillin G may be given by injection to obtain an immediate peak level, but subsequent therapy should be with Penavlon V tablets.**DOSAGE:** *Adults*, 1 tablet four times daily (every six hours); in severe infections dose may be increased as considered necessary. *Children*, half adult dose. *Infants*, quarter adult dose. The tablets should not be sucked, but swallowed quickly (whole or crushed) followed by a drink of water. They may be taken at any time, including meal times.**HOW SUPPLIED:** In containers of fifteen, 100 and 500 tablets.**FIRST ISSUED:** February 4, 1957.**REFERENCES:** *J. biol. Chem.*, 1946, 175, 793. *Lancet*, 1956, 2, 328. *Wien. med. Wschr.*, 1953, 103, 602.

\*Cross reference for card index:

**PHENOXYMETHYL PENICILLIN:** See Penavlon V.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**EF-CORTELAN with neomycin skin ointment****MANUFACTURER:** Glaxo Laboratories, Ltd., Greenford, Middlesex.**DESCRIPTION:** An ointment containing hydrocortisone acetate, 1 per cent.; neomycin sulphate, 0.5 per cent. (equivalent to 0.35 per cent. neomycin base) in water-miscible base.**INDICATIONS:** In the following conditions, particularly when infection is present or imminent: anal and vulvar pruritus, contact dermatitis of various types, allergic eczema, food eczema, infantile eczema, eczematoid reaction of the eyes and ears, neurodermatitis, nummular dermatitis and seborrhoeic dermatitis.**USE:** A small quantity of ointment should be applied gently to the affected area two or three times daily.**HOW SUPPLIED:** In 5- and 15-gm. tubes.**FIRST ISSUED:** November 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**TUCAL linctus****MANUFACTURER:** Chelspa, Ltd., Ucal Works, Cheltenham, Glos.**DESCRIPTION:** A linctus containing (per cent. w/v): Pholcodine tartrate, 0.21; terpin hydrochloride, 0.17; menthol, 0.34, amyl-m-cresol, 0.05; thymol, 0.05; iodophenol, 0.2; phenol, 0.53.**INDICATIONS:** As an anti-congestive in influenzal cough, chronic cough of the aged, chronic and subacute bronchitis, bronchopulmonary congestion. Also in measles and whooping cough of children.**DOSAGE:** *Adults*, 1-2 teaspoonfuls after food, and at bedtime (a little water may be added if desired); *Children*, (five years and over),  $\frac{1}{2}$ -1 teaspoonful, according to age, as above.**HOW SUPPLIED:** In bottles of 4, 40 and 80 fl. oz.**FIRST ISSUED:** January 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**BILEVAC****MANUFACTURER:** Weddel Pharmaceuticals, Division of The Union International Co., Ltd., Watsons Road, London, N.22.**DESCRIPTION:** A biliary stimulant evacuant in tablet form, each tablet containing sodium tauroglycocholate, gr. 1; rhubarb, gr.  $\frac{1}{2}$ ; aloin, gr. 1/10; ol. menth. pip., q.s.**INDICATIONS:** Hepato-biliary dysfunction where constipation is a common accompaniment. See also maker's literature.**DOSAGE:** 1 tablet three times a day after meals or 2 tablets at night.**HOW SUPPLIED:** In bottles of fifty and 100 tablets.**FIRST ISSUED:** February 11, 1957.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**PREMARIN INTRAVENOUS****MANUFACTURER:** Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Fulshaw Hall, Wilmslow, Ches. (Distributed in the United Kingdom by arrangement with Ayerst, McKenna & Harrison, Ltd., Montreal, Canada.)**DESCRIPTION:** A preparation of conjugated oestrogens (derived from pregnant mares' urine) designed for intravenous administration when reconstituted with sterile diluent.**INDICATIONS:** To produce rapid arrest of prolonged and excessive functional uterine bleeding; and other types of hæmorrhage including: *Ear, nose and throat:* Epistaxis; post-tonsillectomy and adenoidectomy; *Gastro-intestinal system:* Oral; œsophageal; peptic ulcer, rectal; *Genito-urinary system:* Bleeding due to kidney stones, tumours, following prostatectomy; also intraocular hæmorrhage; hæmoptysis due to carcinoma; pre- and post-operatively in gastro-intestinal, gynaecological, prostatic and dental surgery.**DOSAGE:** 20 mgm., intravenously. The dose can be repeated within a few hours if necessary. In children, 5-10 mgm. should be given per injection depending on body weight. If necessary the drug can be given intramuscularly.**HOW SUPPLIED:** In package providing one vial containing 20 mgm. of oestrogens expressed as sodium œstrone sulphate, and one 5-c.c. vial of sterile diluent with 0.5 per cent. phenol.**FIRST ISSUED:** February 1957.**REFERENCES:** *West. J. Surg.*, 1955, 63, 711. *Curr. med. Dig.*, 1954, 21, 30. *J. Amer. med. Ass.*, 1955, 159, 546. *Proc. Soc. exp. Biol.*, 1957, 94, 92.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**EF-CORTELAN with neomycin skin lotion****MANUFACTURER:** Glaxo Laboratories, Ltd., Greenford, Middlesex.**DESCRIPTION:** A lotion containing hydrocortisone alcohol, 0.5 per cent.; neomycin sulphate, 0.5 per cent. (equivalent to 0.35 per cent. neomycin base).**INDICATIONS:** In the following conditions, particularly when infection is present or imminent: Anal and vulvar pruritus, contact dermatitis of various types, allergic eczema, food eczema, infantile eczema, eczematoid reactions of the eyes and ears, neuro-, nummular or seborrhoeic dermatitis.**USE:** A small quantity of lotion should be spread gently on to the affected area two or three times daily.**HOW SUPPLIED:** In 20-c.c. plastic bottle.**FIRST ISSUED:** November 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**EF-CORTELAN with neomycin intra-articular injection****MANUFACTURER:** Glaxo Laboratories, Ltd., Greenford, Middlesex.**DESCRIPTION:** A sterile suspension, each c.c. of which contains hydrocortisone acetate, 25 mgm.; neomycin base, 3.5 mgm. in normal saline.**INDICATIONS:** Rheumatoid arthritis, osteoarthritis, traumatic arthritis, acute gouty arthritis, bursitis, Dupuytren's contracture.**DOSAGE:** Varies with joint to be treated. Knee requires 25 mgm.; smaller joints usually 10-15 mgm. A dose of 50 mgm. should not be exceeded. Repeat injections are usually necessary.**HOW SUPPLIED:** In 5-c.c. vial. **FIRST ISSUED:** November 1956.

THE CHEMIST AND DRUGGIST Guide to New Medicaments (April 6, 1957).

**ADELPHANE****MANUFACTURER:** Ciba Laboratories, Ltd., Horsham, Sussex.**DESCRIPTION:** Tablets, each containing 0.1 mgm. Serpasil (reserpine) and 10 mgm. Nepresol (1,4-dihydrazinophthalazine) sulphate.**INDICATIONS:** Mild or moderate hypertension where response to Serpasil alone is inadequate.**DOSAGE:** See manufacturer's literature.**HOW SUPPLIED:** In bottles of twenty-five, 100 and 500 tablets.**FIRST ISSUED:** January 1, 1957.



## NOTES ON NEW MEDICAMENTS

Comments on items given in *Guide to New Medicaments* (p. 380), especially to show their relationship—pharmacological or chemical—with other products or compounds.

**ADELPHANE.**—A combination of reserpine and 1:4-dihydrazinophthalazine, with a synergistic action. Reserpine has a blood-pressure reducing effect by its action on the central nervous system. The other component reduces blood pressure by relaxing the peripheral vessels. Other combinations of reserpine with other substances include Seominal (with theobromine and phenobarbitone), Serpatonil (with the anti-depressant Ritalin). Apresoline is a preparation of 1-hydrazinophthalazine, also known as hydralazine.

**BILEVAC.**—Contains bile salts with rhubarb and aloin. Veracholate, Pancrobinil and Taxol are similar preparations of bile salts and laxatives. Bilron, Lactobyl and Mycolactine contain bile salts and other factors. Desibyl is a preparation of desiccated bile. Dehydrocholin, Felamine, Bilostat, Chonex and Certonin are examples of choline preparations or derivatives.

**COLLOZETS.**—Lozenges containing the antibiotic tyrothricin together with a quaternary ammonium compound as an antiseptic. Other lozenges containing tyrothricin, but with benzo-

caine as a local anæsthetic, include Tetrzets, Tyrozets, Tyrosolven, Tracincts and Graneodin. Other antibiotic lozenges include Streptets, Pondets, and those containing the tetracyclines.

**MYCIGUENT LOTION.**—Therapeutic constituent is neomycin. That antibiotic has a wide range of activity and has a low index of sensitisation. Stable in solution, hence suitable for exhibition in an aqueous vehicle. Other neomycin products for topical use include Myciguent ointment, neomycin ointment, Graneodin, Neobacrin, Cicatrin. Products containing both neomycin and hydrocortisone include Hydroptic, Neocortef, Hydroderm, Hydromycin, Hydrospray, Ef-cortelan with neomycin and Cortril with neomycin. Deltratracin and Hydetracin topical lotion contain neomycin with prednisolone; Hydrodeltalone with neomycin is a cream with similar constituents.

**PREMARIN.**—Commercial oestrogen products for injection are usually solutions in oil or aqueous suspensions but the natural hormones are water soluble. Water solubility may be conferred by conjugation and combination with an alkali metal such as sodium. Sodium oestrone sulphate is a product of that type. A similar compound was once available under the name Strogene. The *rationale* of the use

of Premarin in hæmorrhage generally is not yet clear, but experimental evidence indicates some specific effect on the clotting process.

**TARCORTIN.**—A preparation of hydrocortisone with a non-staining tar extract. Of use in chronic dermatoses when intolerance to tar alone precludes treatment, or when the response to hydrocortisone is insufficient. Examples of non-staining tar preparations are E.S.T.P., and Pixyl. Tar Dermament is a solution of washed tar in a resin and alcohol base.

**TUCAL.**—Linctus and lozenges containing pholcodine. That cough centre depressant is free from some of the side effects of codeine, such as constipation. Other pholcodine products include Ethnine, Hewfolco, Memine and Lipect. Examples of other cough-depressant preparations are Taoryl, Pectamol, Respenyl, Sedulon, Pirix, Orthoxicol, Romilar, Becantyl, etc.

**UNIPLEX.**—A preparation of some of the vitamins of the B group together with liver extract. Products of similar or related composition include Vitepron, Lederplex and Lextron.

**VIACUTAN.**—*Chemistry:*—Silver salt of di-naphthylmethane-disulphonic acid. The acid radical appears to confer the power of deep penetration into tissues. The corresponding mercury salt is found in Penotrane.

## PHYSICAL SOCIETY'S EXHIBITION

### New developments in scientific instruments on show

MANY new developments in scientific instruments and apparatus were seen at the Physical Society's forty-first exhibition held in London, March 25–28.

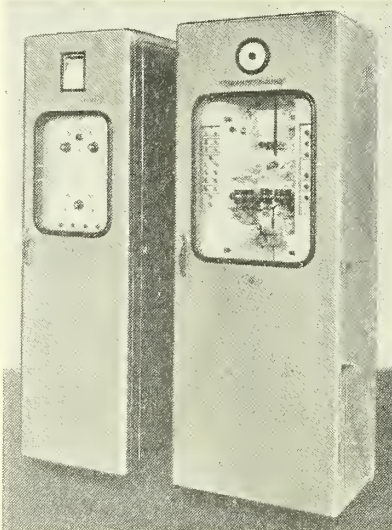
For the grinding of seeds, leaves, roots, etc., for such purposes as moisture determination, C. F. CASELLA, LTD., Regent House, Fitzroy Square, London, W.1, showed a special grain mill. The mill works on a shearing principle which rapidly reduces the hardest grains to an even powder without an undue rise of temperature and without the clogging that a high moisture content could cause.

#### Automatic Analyser

Shown on the stand of ELECTRONIC INSTRUMENTS, LTD., Lower Mortlake Road, Richmond, Surrey, was the Titromatic analyser which has been developed in conjunction with the Billingham Division of Imperial Chemical Industries, Ltd. Designed for large-scale chemical manufacture, the apparatus can perform the work of two or three chemists. It also supplies a continuous visual record which enables variations in the plant stream to be instantly detected and corrective measures applied. The equipment consists of two separate cubicles, one containing the chemical apparatus, with its flasks, burette, and electrically-controlled taps, whilst the other holds the electronic control gear which determines the sequence and duration of the operations, and detects the endpoint of the titration. The chemical unit is connected into the main plant stream, and, at regular intervals, pre-set to be between three minutes and half an hour, a measured quantity of the product is drawn off and titrated. Both acid-base and redox titrations can be carried out. Complete manual working is possible for adjustment or special testing purposes. Also shown by the company was an automatic titrimeter for either volumetric or coulometric titrimetry.

A finalised version of the Eel blood cell counter, the prototype of which was first exhibited in 1955 was shown by EVANS ELECTROSELENIUM, LTD., Potter Street, Harlow, Essex.

Potentiometric micro-analysis apparatus for the accurate determination of chlorides in small volumes of sample was shown by A. GALLINKAMP & Co., LTD., 17 Sun Street, London, E.C.2.



Titromatic analyser (Electronic Instruments, Ltd.).

The apparatus was developed in consultation with Dr. I. D. P. Wootton (Post-graduate Medical School, London).

The Griffin vapour phase chromatography apparatus, mark II, a development of the mark I model exhibited at the Physical Society's exhibition in 1956, was shown by GRIFFIN & GEORGE, LTD., Ealing Road, Alpertown, Wembley, Middlesex. The temperature range has been increased to permit resolution

at reduced pressures of mixtures having components with boiling points up to 350°C. at atmospheric pressure.

#### Spectrophotometer

The H 800 double-beam recording infra-red spectrophotometer was shown by HILGER & WATTS, LTD., 98 St. Pancras Way, Camden Road, London, N.W.1, with two new attachments, both of which can be fitted to the standard instrument. They extend the range of samples that can be examined. The first is a reflecting microscope which, by producing at the position of the sample a reduced image of the Nernst filament, makes it possible to examine such small samples as single fibres. The second attachment is for measuring and recording the infra-red reflectance of a sample relative to that of a chosen standard. The same company showed a new atomic-absorption attachment for their Uvispek spectrophotometer. The sample solution is sprayed from an atomiser into a flame, through which passes the light of a hollow-cathode lamp emitting the radiation of the element to be determined. The absorption due to the element is measured at the appropriate wavelength. The company also exhibited the prototype of a newly designed electrophoresis apparatus.

On the stand of the MEDICAL RESEARCH COUNCIL was demonstrated the centrifugal washing of red blood cells to free them from glycerol used to store them in the frozen state. A normal centrifuge is fitted at its axis of rotation with a distributor head which supplies a wash solution of glycerol and saline to two standard blood bottles (eventually it will be possible to accommodate four bottles). The centrifugal pumping action passes the wash fluid in through a short needle in the neck of the bottle and out through a long needle. At 2,000 to 2,100 revolutions per minute the cells are first packed during a period of half an hour into one end



of the bottle. The washing then continues for a further hour and a half to two hours. For autoclaving the entire distributor head can be removed. The apparatus can also be used to free red cells from plasma for special transfusion purposes. The equipment was designed and produced jointly by the Blood Transfusion Research and the Experimental Radiopathology Research Units of the Medical Research Council at Hammersmith Hospital, London, W.12, and the National Institute for Medical Research, London, N.W.7.

An improved version of the Mervyn NPL infra-red spectrometer was shown by MERVYN INSTRUMENTS, LTD., St. John's, Woking, Surrey. Curved slits give an even higher degree of resolution.

The electron irradiation of among other items, drugs, surgical dressings and sutures to sterilise them was demonstrated on the stand of METROPOLITAN-VICKERS ELECTRICAL CO., LTD., Trafford Park, Manchester, 17.

#### Free-piston Burette

Exhibited by the National Research Development Corporation, 1 Tilney Street, London, W.1, was a free-piston burette which is claimed to give on the macro scale many of the advantages of the micrometer burette but without the mechanical attachments. The instrument is made from precision bore tubing having fitted to it a hollow glass piston which is a close sliding fit in the bore. The piston rides freely on the column of liquid, indicating the volume delivered.

A completely re-designed range of chemical balances was shown by L. OERTLING, LTD., Cray Valley Road, St. Mary Cray, Orpington, Kent. Among the many changes is a new method of chassis construction. All parts of the instrument are now mounted on one rigid light alloy chassis, the case serving merely as a dust cover. Improved reliability of operation has thus been obtained. Another feature is the location of controls to minimise fatigue and expedite weighing. The appearance of the balances is entirely attractive.

An automatic x-ray spectrometer was shown by the SOLARTRON ELECTRONIC GROUP, LTD., Thames Ditton, Surrey. A continuous x-ray spectrum is directed from an x-ray tube on to the sample or specimen. The re-radiated x-rays of specific wavelength from the sample are passed through a crystal, which acts as a diffraction grating and produces a line spectrum. After diffraction, the x-rays are collimated and detected. The detector may be a geiger counter, proportional counter or scintillation counter.

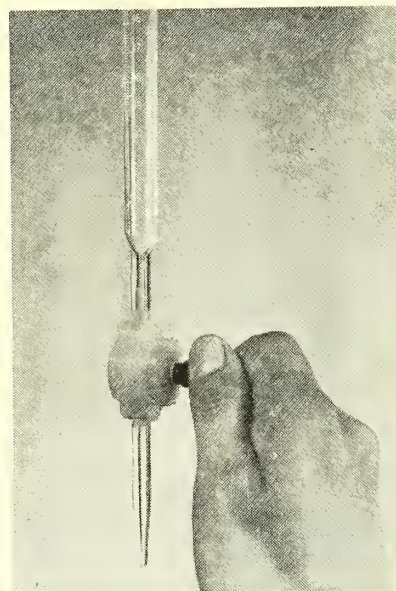
A pre-production version of a fully compensated thermo-balance with interchangeable furnace units was shown by STANTON INSTRUMENTS, LTD., 119 Oxford Street, London, W.1.

The problem of measuring the atmospheric humidity in small spaces or crevices which is an aspect of the greater problem of humidity in storage and consequent pest infestation was dealt with on the stand of THE TINTOMETER, LTD., Waterloo Road, Salisbury, Wilts. The method demonstrated showed the

use of specially prepared cobalt thiocyanate papers and permanent colour standards against which the colour changes in those papers can be assessed. The staff of The Tintometer, Ltd., has collaborated with Mr. M. E. Solomon of the Department of Scientific and Industrial Research, Pest Infestation Laboratory, to produce permanent colour standards for use with the Lovibond comparator, and suitable papers impregnated with cobalt thiocyanate have been produced by The British Drug Houses, Ltd.

A prototype of a drop detector to detect drops and provide impulses to operate a counter at a maximum rate of 300 drops a minute was shown by J. W. TOWERS & Co., LTD., Victoria House, Widnes, Lancs. An improved automatic direct-reading balance (model 210) was shown by that company. The new balance is fitted with a number of modifications including an improved graticule which gives a clearer and more brilliant image on the screen. The same company demonstrated a fully automatic counter-current apparatus which comprises a robot unit coupled to stand units carrying up to 200 all-glass counter-current tubes.

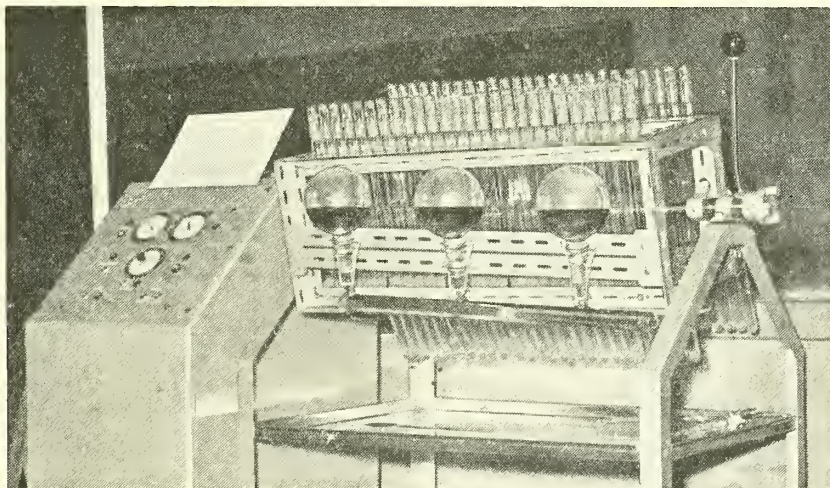
A development of the X27 thermostat bath, the X27 major, was shown by TOWNSON & MERCER, LTD., Croydon, Surrey. The bath is equipped with a new straight line method of circulation and the depth has been increased to take the new types of specialised viscometers. Also shown by that company were moulded polythene diaphragm burette taps. The taps employ a plastic diaphragm, giving a delicate control. The ends of the taps are moulded to an exact taper and tapered glass inserts are supplied which give a true liquid-tight joint and enable the tap to be joined to other glass apparatus. Another exhibit by the company was a flexible glove cabinet for the handling of materials under controlled conditions as in aseptic work. The cabinet is entirely constructed of PVC, fastening with special PVC zip fasteners. A separate air lock chamber is provided. The cabinet is maintained at a small positive pressure to keep its shape and that is done by feeding in an inert gas or sterile air, any leakage acting



Moulded plastic burette tap (Townson & Mercer, Ltd.).

as ventilation. A prototype of an oven with a maximum temperature of 400° C. was also shown. Of special interest to pharmaceutical manufacturers was a vacuum moisture tester which should be available in 1958. In that instrument a 5-gm. sample is weighed on a torsion balance contained in a vacuum chamber which can be opened to place the sample on the pan. When the balance indicator shows zero the correct weight of sample has been added. The container is then closed and vacuum applied while a powerful beam of infra-red light is focused on the sample. The moisture evaporates off at a lower temperature than would be possible in air thereby reducing errors caused by overheating of the sample and there is complete freedom from errors caused by convection currents. The percentage moisture is read directly from a large dial graduated to 0.1 per cent.

The SP900 flame photometer was shown by UNICORN INSTRUMENTS, LTD., Arbury Works, Cambridge. A production model, it differs considerably from the prototype shown in 1956.



Automatic counter-current apparatus (J. W. Towers & Co., Ltd.).



# SHARE MOVEMENTS, January to March

**B**USINESS and interest in the industrial department of the London Stock Exchange during the first quarter of 1957 were greatly influenced by the labour situation. They were still probably on a larger scale than in the fourth quarter of 1956. Drug company shares made a good showing, with a number of moves appreciably in favour of holders recorded.

Timothy Whites & Taylors 5s., for example, closed nearly 6s. higher at 28s. 9d., after having been dealt in up to a new high level of 29s. 1½d. Firmness was also evident in Albright & Wilson 5s., which finished nearly 2s. better at 20s., and in The British Drug Houses 5s., which closed in holders' favour by about 1s. 9d., at 14s. 9d.

Boots Pure Drug 5s. closed fractionally lower at 15s. 3d. Greeff Chemical Holdings 5s., on the other hand, finished nearly 2s. 6d. in favour of holders at 18s. 3d., or within ninepence of their highest level since the beginning of 1956.

Reckitt & Colman Holdings £1 continued to be a centre of regular business and closed 1s. 6d. better at 44s., after having gone down to 40s. 9d. in the meantime. Business was done practically every day in Borax (Holdings), 5s. Deferred, which have been transferred in their new 5s. form since about the beginning of the year. They closed 1s. 3d. down at 24s. 6d. after sinking to 22s. 10½d. in the meantime.

Aspro-Nicholas 5s. were valued fractionally lower at 13s. and thus failed to recover any of the 2s. odd loss which they recorded during the fourth quarter of 1956. Beecham Group 5s. finished just over one shilling better at 19s. 6d.; Evans Medical Supplies 5s. closed 9d. better at 6s.; and Cussons Sons & Co. 2s. shares were valued at about one shilling higher at 6s. 4½d.

In the low-priced share section, Ashe Chemical 1s. were priced 3½d. higher than previously at 1s. 2d., while Dufay 2s. were twopence lower at 1s. 3d.

In the Preference share section the adverse trend of the previous six months was reversed, practically all moves being in favour of holders.

NAME OF COMPANY £1 units unless otherwise stated	1956-1957		
	HIGH	LOW	LATEST
	s. d.	s. d.	s. d.
Albright & Wilson, 5s. ...	21 9	16 7½	20 0
Allen & Hanburys ...	54 3	50 9	53 0
Do. 7% Prefd. Ord. ...	22 0	18 1½	20 7½
Ashe Chemicals, 1s. ...	1 8	9	1 2
Aspro-Nicholas, 5s. ...	19 10½	12 7½	13 0
Beecham Group, 5s. ...	22 10½	17 3	19 6
Boots Pure Drug, 5s. ...	18 10½	12 6	15 3
Boots (Eastern) 6% Cum. Prefd. A ...	21 9	18 9	20 9
Do. (Western) 7% Prefd. Ord. A ...	23 0	21 6	22 6
Borax (Holdings) Defd. Ord., 5s. ...	26 10½	13 1½	24 6
British Drug Houses, 5s. ...	15 6	11 9	14 9
Cussons, Sons & Co., 2s. ...	7 0	4 9	6 4½
Dubarry Perfumery, 1s. ...	1 0	6	7½
Dufay, 2s. ...	1 10½	4 7½	1 3
Evans Medical Supplies, 5s. ...	7 10½	4 7½	6 0
Gee, Arnold M., 1s. ...	2 1½	1 8	1 10½
Glaxo Laboratories, 10s. ...	28 7½	17 9	30 1½
Do. 8% Prefd. Ord., 10s. ...	14 6	11 9	13 6
Greeff Chemical Holdings, 5s. ...	19 0	14 6	18 3
Howards & Sons ...	14 6	6 6	14 6
Ilford, 5s. ...	15 7½	11 0	13 0
Monsanto Chemicals, 5s. ...	30 4½	19 6	19 0
Reckitt & Colman Holdings ...	44 6	34 6	44 0
Sangers, 5s. ...	15 9	12 3	13 9
Savory & Moore 5½% Prefd. Southalls (Birmingham), 5s. ...	17 4½	14 3	14 4½
Taylor's (Cash Chemists) London, 6% Cum. Prefd. ...	9 3	6 0	8 0
Do. (Cash Chemists) Trust 6% Cum. Prefd. ...	20 0	17 3	18 0
Whites (Timothy) & Taylors, 5s. ...	19 6	17 6	18 9
Do. 7½% Prefd. ...	29 1½	20 3	28 9
Yardley & Co., 4s. ...	25 10½	21 9	23 6
Do. A, 4s. ...	32 6	22 6	22 6
Do. 4½% Prefd. ...	39 6	22 6	22 6
Do. 5½% Prefd. ...	16 4½	13 9	14 6
	19 3	15 6	17 9

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 20

For non-medicated toilet preparations and cosmetic preparations, all for the skin, and perfumes (3)

BINASKIN, 758,508, by Ciba, Ltd., Basle, Switzerland.

For washing and cleansing agents for textiles, none being for use in the course of manufacture (3)

REMAPPAL, 759,109, by Farbwerke Hoechst, A.G., vormals Meister Lucius & Bruning, Frankfurt, Germany.

For non-medicated toilet preparations (3)

FRICE, 759,707, by Boots Pure Drug Co., Ltd., Nottingham. REGENCY, 760,407, by Gorney, Ltd., Bramley, Leeds.

For hydroxymethyl-gramicidin and compounds thereof, prepared for human use as antibiotics (5)

ARGICILLIN, 748,601, by Jan Marcel Didier Aron-Samuel, Suresnes, Seine, France.

For pharmaceutical preparations containing nitrogenous substances for human and veterinary use (5)

MOPAZINE, 755,545, by Société des Usines chimiques Rhone-Poulenc, Paris, France.

For all goods (5)

ELDEC, 757,451, SYTIBRON, 758,492, HUMEVAC, 759,892, by Parke, Davis & Co., Detroit, Michigan, U.S.A., and Hounslow, Middlesex. TONOSTRESS, 761,338, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany.

For pharmaceutical preparations and substances for human and veterinary use (5)

ONDASIL, 758,065, by Ciba, Ltd., Basle, Switzerland.

For insecticides, fungicides, herbicides, pesticides and preparations for killing weeds and destroying vermin, all containing compounds of phosphorus (5)

Device with words PHOSTOXIN DEGESCH, 753,223, by Deutsche Gesellschaft für Schädlingsbekämpfung, M.B.H., Frankfurt, Germany.

For pharmaceutical preparations in the nature of shampoos for use in the treatment of the scalp (5)

TING, 758,090, by Domestos, Ltd., Newcastle-on-Tyne.

For pharmaceutical preparations and substances (5)

CHIBRO, 758,549, by Laboratoires H. Chibret & Fils, S.A., Clermont-Ferrand, France. CALVEPEN, 760,961, MELSEDDIN, 761,329, by Boots Pure Drug Co., Ltd., Nottingham.

For pharmaceutical, veterinary and sanitary substances; infants' and invalids' foods; medical and surgical plasters; material prepared for bandaging; material for stopping teeth, dental wax, and disinfectants (5)

GERUSAN, 758,580, by Nordmark-Werke, G.m.b.H., Uetersen, Holstein, Germany.

For infants' and invalids' foods (5)

Device with word PERRETTE, B760,379, by Co-operative Condensfabrick Gelderland-Overijssel G.A., Deventer, Holland.

For brushes (21)

BOSUN, 761,042, by Frederick Coxson & Sons, Ltd., Stockport, Cheshire.

For hair curlers for attachment to the hair (26)

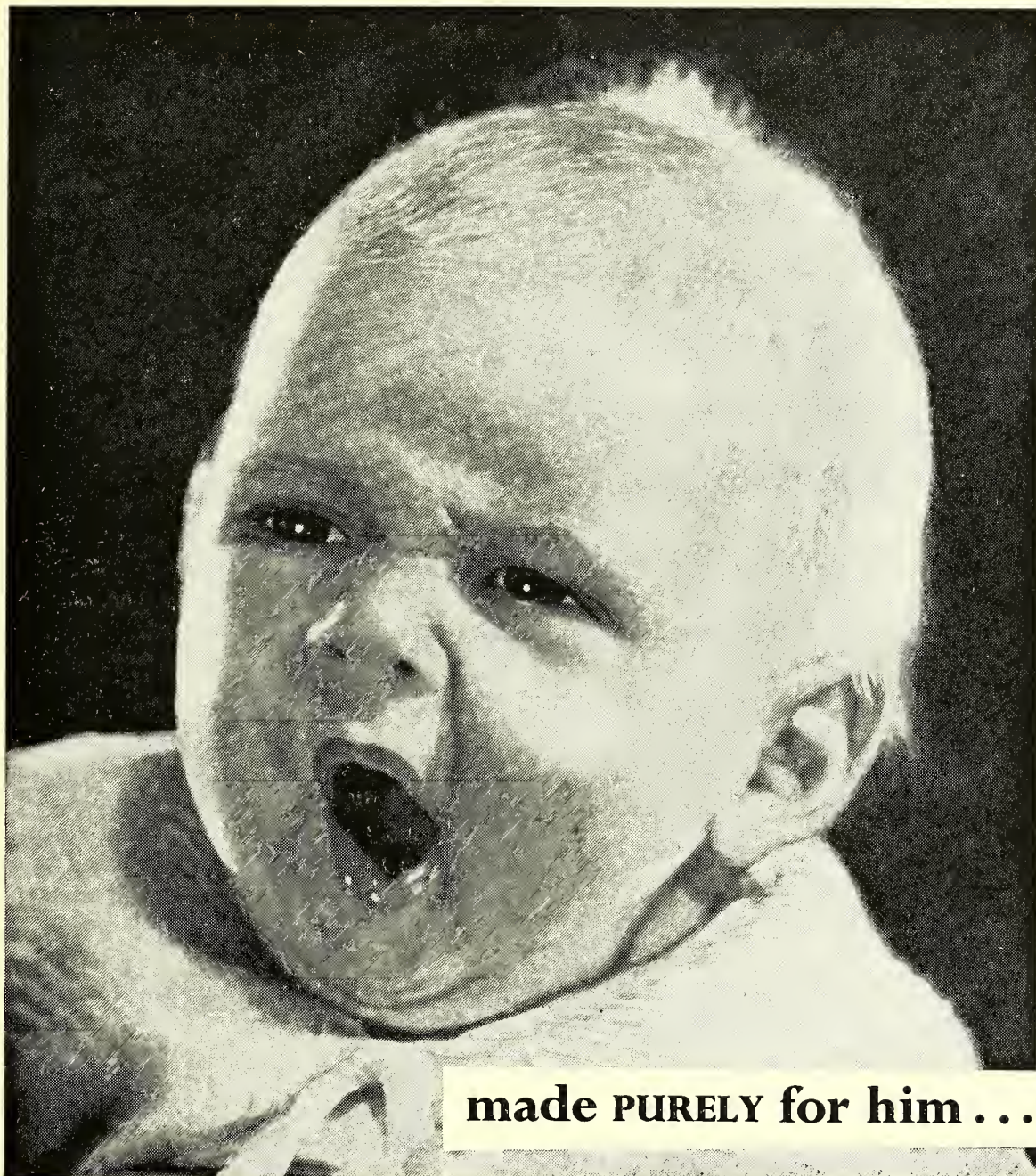
SKELOX, 760,370, by Wilfred Skelton, Sheffield.

## WORLD TRADE

**India's New Coinage.**—India switched to decimal coinage on April 1. Hitherto the rupee was divided into 16 annas and each anna into four pice, or twelve pies. The new unit is the naya paisa (new pice), 100 of which equals one rupee. The adoption of the decimal coinage precedes a change over to the metric system of weights and measures, expected to start in 1958.

**Australia Relaxes Import Restrictions.**—Australia is to relax her import restrictions in the next financial year by allowing an extra A£75 millions worth of goods into the country immediately and aims at abolishing all restrictions as soon as possible. All quotas in category B, which covers mainly consumer goods, are to be increased by 66⅔ per cent. of their present value and accounts for about A£20 millions of the A£75 millions relaxations. Category A quotas for consumer goods (includes medicinal preparations) are also being substantially increased. Those quotas are already generally at a higher level than quotas for category B goods and the increase in quotas in practically all cases is 20 per cent. of their present value and should account for A£10 millions of the increase. The licensing period is unaltered.





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TRADE MARK

No. 1 Fat-modified; No. 2 Full-cream;

both containing added iron and vitamin D. In 1 lb. tins.

Face price 3/9; Trade price 40/- per dozen, special parcel terms available



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LIMITED,**

*a new British  
pharmaceutical  
company closely  
associated with the  
development of  
corticoids, present to  
the pharmaceutical  
profession :—*

## DELTALONE

*buffered tablets, brand of prednisone.*

In bottles of 30 tablets of 1 mg. at 9/4½d.  
plus Purchase Tax 2/9¾d. or 5 mg.  
at 37/6d. plus Purchase Tax 11/3d.

## HYDRODELTALONE

*tablets, brand of prednisolone.*

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or 5 mg. at 37/6d.  
In bottles of 500 tablets of 5 mg. at 580/-.

**HYDRODELTALONE OINTMENT with NEOMYCIN**  
for topical application in tubes of 5 g. at 8/6d. each  
or 15 g. at 21/- each.

**HYDRODELTALONE EYE OINTMENT**  
in tubes of 3 g. at 4/- each

**HYDRODELTALONE EYE DROPS**  
in bottles of 3 ml. at 4/6d. each

**HYDRODELTALONE INTRA-SYNOVIAL INJECTION**  
in 5 ml. vials at 35/- each

*No Purchase Tax on all Hydrodeltalone preparations*

## COACTYL

*buffered tablets, a combination of  
prednisone and acetylsalicylic acid.*

In bottles of 50 tablets at 12/-  
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*All available under N.H.S. prescription.*

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## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 3: Business in the spot market for CRUDE DRUGS continued at routine levels during the week, with prices a shade easier for a few commodities.

GINGER continued to fall as new-crop Jamaican material became more freely available and buyers held off awaiting more settled conditions. Jamaican No. 3 ginger forward was down 30s. a cwt. against the previous week and African lost 10s. a cwt. on the spot. IPECACUANHA remained scarce with virtually nothing offering on the spot. HONEY is a weak market at present through lack of demand and holders have reduced their quotations by about 10s. a cwt. QUILLARIA for shipment could be bought at 5s. per cwt. under its previous value. In AROMATIC SEEDS a firm tone was noted in CUMIN but Dutch CARAWAY lost a further 2s. 6d. per cwt. The prices of most WAXES were maintained but fatty-grey CARNAUBA was marked up 20s. per cwt. on the spot upon higher advices from origin.

There were no changes in PHARMACEUTICAL and FINE CHEMICALS and only minor alterations among ESSENTIAL OILS. LEMONGRASS was easier on the spot as near-afloat parcels were being freely offered. Reports from origin, however, spoke of a firmer tone in the new crop prices. Chinese PEPPERMINT was lower by sixpence per lb. on the spot and Formosan CITRONELLA for shipment eased by a similar amount.

### Pharmaceutical Chemicals

ADRENALINE. — Rates for synthetic B.P. are from 1s. 1d. (500-gm. lots) to 1s. 6d. (10-gm.) per gm. and ACID TARTRATE, B.P., from 9d. to 1s.

AMMONIUM ACETATE. — 1-cwt. lots of B.P.C. are quoted at 3s. 9d. per lb.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 68s.

ANEURINE HYDROCHLORIDE. — Price per kilo is £19 2s. 6d. with 10-kilo lots at £18 17s. 6d. per kilo.

ASCORBIC ACID. — Rates per kilo: 1 kilo, £4 18s.; 10 kilos, £4 16s. SODIUM ASCORBATE is offered at the same prices.

BROMIDES.—Prices per lb. are now as follow:

	1-cwt.	5-cwt.
	s. d.	s. d.
POTASSIUM .. ..	2 9	2 8
SODIUM .. ..	2 9	2 8
AMMONIUM .. ..	3 0½	2 11

The above prices are for crystals (powder is 1½d. per lb. more), packages free, carriage paid terms.

CARMINE.—Price is from 140s. to 150s. per lb. as to quantity.

CITRATES. — Rates (per lb.) for 1-cwt. and 5-cwt. lots are as follows:—

	1-cwt.	5-cwt.
	s. d.	s. d.
SODIUM* .. ..	4 1½	3 1½
POTASSIUM* .. ..	3 9½	3 8½
IRON AND AMMONIUM†	3 2½	4 0½

\*Powder is 2d. per lb. more.

†Scales are 9d. per lb. more.

CITRIC ACID.—Quotations (per cwt.) for domestic material are 215s. for 14-cwt. lots and 210s. for 5-cwt. lots.

CYANOCOBALAMIN. — Less than 10 gm. lots are £87 10s. per gm.

DICOPHANE (DDT).—Prices are as follows:—1-cwt. lots, 3s. 2d. per lb.; 1-ton, 2s. 11d.

DIPHENAN.—Prices range from 55s. 3d. (56-lb.) to 63s. (1-lb.) per lb.

EMETINE.—Price for 32-oz. lots of the HYDROCHLORIDE is 245s. per oz. The BIS-MUTH IODIDE is 115s. per oz.

EPHEDRINE.—In 100-oz. lots ALKALOID is nominally 7s. per oz.; SULPHATE, 4s. 3d. and HYDROCHLORIDE, 3s. 10½d. per oz.

ERGOTOXINE ETHANESULPHONATE. — Price per gm. for B.P.C. (1949) is: 1 gm., 168s. 9d.; 10 gm., 155s. 3d.

FOLIC ACID.—B.P. and U.S.P. is offered at 4s. 8d. per gm. in 1-kilo lots.

FORMALDEHYDE. — B.P. solution in 1-4 drum lots is £39 15s. per ton; 5 drum lots are £38 15s. per ton, all including free drums.

MAGNESIUM PEROXIDE.—Price (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £21 per ton according to size of crystal and manufacturer. Exsiccated is £42 per ton. All ex works.

MENAPHTHONE.—B.P. is £11 per kilo; ACETOMENAPHTHONE, B.P., £11; WATER-SOLUBLE (menadione sodium bisulphite, U.S.P.), £15 per kilo.

NICOTINAMIDE. — Prices per kilo are now: 1 kilo, 92s. 6d.; 10 kilos, 90s., 50 kilos, 88s. 6d.

NICOTINIC ACID. — Prices per kilo are 57s. 6d. for 1-kilo and 53s. 6d. for 50-kilo lots.

NIKETHAMIDE. — Prices per kilo are:—1-kilo, 113s.; 50-kilo, 105s.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £129 per ton, delivered.

POTASSIUM BROMATE.—In 5-cwt. lots the price is 5s. 3d. per lb.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 6d. per lb.; technical, flake, 1s. 4d.

POTASSIUM 8-HYDROXYQUINOLINE SULPHATE.—1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

PYRIDOXINE. — Manufacturers' rate for 1-10 kilos is £135 10s. per kilo.

RIBOFLAVINE. — Price (per kilo) is £24 17s. 6d. for 1-kilo and £24 15s. for 10-kilo lots.

SALICIN.—Quoted at 18s. 6d. per oz.

SODIUM BROMATE.—1-cwt. lots are quoted at 9s. 9d. per lb.

SODIUM CARBONATE. — B.P. exsiccated is 60s. 6d. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 30s. per cwt.

SODIUM PERBORATE. — Prices (per cwt.) are 145s. 9d. in 1-cwt. kegs; 138s. 3d. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). Other strengths *pro rata*. The PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is 309s. 9d. per cwt.

SODIUM PERCARBONATE. — Prices (per cwt.) about 166s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE. — B.P. powder is 125s. per cwt.

SODIUM SALICYLATE.—Rates are now:—1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt., 3s. 8d.; 1-cwt., 3s. 10d.

SODIUM SULPHATE. — Makers' prices for B.P. range from £11 10s. to £18 17s. 6d. per ton as to crystal and quantity, ex works.

VITAMIN A. — Synthetic. Supplied in strengths of 200,000 international units per gm, the price is 11½d. per million i.u. Natural is 1s. 4d. per million units.

VITAMIN D₂. — In oil, 2 million units per gm, the price is 2d. per million international units. Crystalline see under calciferol. D₃, 2d. per million units in oil; crystalline, 17s. per gm.

VITAMIN E (synthetic). — TOCOPHERYL ACETATE, B.P.C., 10 gm. to 100 gm., 1s. 2d. per gm.; 100 gm. to 1 kilo, 1s. per gm.; 1 kilo and under 10 kilos, £45 per kilo; 10 kilos, £44 15s. per kilo.

### Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 3s. 3d. per lb., duty paid.

AGAR.—*Kobé* is from 13s. to 16s. per lb., duty paid as to quality. March-April shipment, 11s., c.i.f.

ALOES. — Cape prime for shipment is 328s. per cwt., c.i.f.; and spot 350s. Curaçao for April-May shipment is quoted at 390s., c.i.f.

ANISEED (STAR).—Chinese is 137s. 6d. per cwt., c.i.f., for afloat. Spot is about 150s.

BALSAMS.—Quotations (per lb.) are:—CANADA: Spot value 30s. COPAIBA, Para is from 7s. 9d. to 11s., duty paid. PERU, 10s., duty paid. TOLU (genuine as imported), 26s.; B.P., 17s. 6d., spot.

BENZOIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £23 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

CARDAMOMS. — Aleppy greens on the spot are 15s. 6d. per lb. and shipment, 14s. 9d., c.i.f. No. 1 seed, 22s. per lb.

CASCARA SAGRADA. — American 1955 peel is 345s. per cwt., duty paid. 1956 processed peel for shipment, 300s., c.i.f.

CASCARILLA.—Spot market bare of whole cut bark. No shipment offers.

CASSIA BARK. — Whole on the spot is now quoted at 120s. per cwt., in bond, with forward offers still unobtainable. Broken, 110s., in bond, and shipment, 105s., c.i.f.

### EXCHANGE RATES ON LONDON

At the opening on Wednesday

*Alexandria	Piastres to £	97½-97½
Amsterdam	Florins to £	10-56-10-72
*Bombay	Shillings to rupee	1/5½-1/6½
Brussels	Francs to £	138-95-141-05
Copenhagen	Kronor to £	19-19½-19-48½
Dutch West Indies	Florins to £	5-26-5-29
*Hong Kong	Shillings to \$	1/2½-1/2½
*Karachi	Shillings to rupee	1/5½-1/6½
Lisbon	Escudos to £	79-90-81-10
*Montreal	Dollars to £	2-67½-2-67½
New York	Dollars to £	2-78-2-82
Oslo	Kronor to £	19-85-20-15
Paris	Francs to £	972-6-987-3
Stockholm	Kronor to £	14-37½-14-59½
*Singapore	Shillings to \$	2/3½-2/4
Zurich	Francs to £	12-15½-12-33½

\*Free market rates; remainder Bank of England. Bank rate: 5 per cent. from February 7.



CINNAMON.—Ceylon for shipment (c.i.f.) per lb., 0000, 8s. 6d.; seconds, 6s. 4½d.; featherings, 2s. 8d.; quillings, 4s. 8d.; chips, 1s. 4½d.

CLOVES. — Zanzibar on the spot are quoted at 3s. 8d. per lb. Shipment, 3s. 5½d., c.i.f.

COCHINEAL. — Silver-grey Peruvian, 14s. 6d. per lb. Canary Isles black-brilliant, 28s. 6d.

DIGITALIS LEAF.—Purpurea is offered at 1s. 3d. per lb., c.i.f.

ERGOT. — Portuguese is 6s. per lb., c.i.f., for prompt shipment and 7s. 3d., spot. American, 7s. 3d., c.i.f. Bulgarian, 9s. 6d.; Hungarian defatted, 13s. 6d., spot.

GENTIAN. — Spot: French, 185s. per cwt.; Spanish, 165s.; Jugo-Slavian, 155s.

GINGER. — African on the spot is 180s. per cwt. and April-May shipment, 165s., c.i.f. Jamaican No. 3 spot, 530s. April-May shipment is 440s., c.i.f. Cochin for April-May shipment, 112s. 6d. per cwt., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 155s. per cwt. on the spot; afloat, 137s. 6d., c.i.f.

HONEY. — Australian light-amber is 135s. to 140s. and medium-amber, 127s. 6d. to 132s. 6d. Argentine, 135s. to 137s. 6d.; Jamaican, 147s. 6d. to 152s. 6d., all per cwt., on the spot.

IPECACUANHA. — Spot cleared. Shipment: Matto Grosso, 49s., c.i.f.; Costa Rican, 55s., c.i.f.

JALAP ROOT. — Mexican testing 16.2 per cent, is offered at 5s. 6d. per lb. on the spot.

KARAYA.—No. 1 gum on the spot is now quoted at 270s. per cwt. and No. 2 at 215s.

KOLA NUTS. — Jamaican are offered at about 8d. per lb., spot, and 6½d., c.i.f. African, 5½d.

LIQUORICE. — Natural root: Anatolian is 46s. 6d. per cwt. Russian, 48s. 6d. spot and 47s., c.i.f. Block juice: Anatolian, 200s. per cwt.; Chinese and British, 195s. on the spot. Italian stick from 310s. to 476s. per cwt. Spray-dried extract, 2s. 9d. per lb.

LOBELIA HERB. — Spot offers are from 7s. to 7s. 6d. per lb.

MACE. — Whole on the spot is 25s. per lb.

MENTHOL.—Chinese. Spot is 51s. per lb., duty paid; afloat, from 48s. to 48s. 6d., c.i.f., as to position. Brazilian, spot, 42s. 6d., duty paid; shipment, 39s. 6d., c.i.f.

NUTMEGS. — West Indian 80's not quoted; sound unassorted, 14s. 3d. per lb.; wormy and broken, 9s. 6d.

ORANGE PEEL. — West Indian bitter quarters are 11d. to 1s. per lb.; Spanish 1s. to 1s. 3d.; thin-cut Tripoli, 2s. 3d.

PAPAIN.—Scarce. East African grade 2 is 28s. per lb., spot; No. 1 nominally 32s. 6d. per lb.

PEPPER. — White Sarawak is 2s. per lb. on the spot, with prompt shipment at 1s. 11½d., c.i.f. Black Sarawak is offering on the spot at 1s. 8d. per lb., shipment, 1s. 7d., c.i.f. Black Malabar, 220s. per cwt. on the spot; prompt shipment, 187s. 6d., c.i.f.

PEPPERMINT LEAVES. — Dutch for shipment are offered from 2s. 6d. to 3s. per lb., c.i.f.

PIMENTO. — Spot is 590s. per cwt. with forward at 540s., f.o.b.

PODOPHYLLUM. — *Emodi* is 165s. per cwt., c.i.f. *Peltatum*, 4s. per lb. spot, and 430s. per cwt., c.i.f., for shipment.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot, and 32s. 6d., c.i.f.

QUILLAIA.—Spot offers of bark at 220s. per cwt. with shipment at 175s., c.i.f.

SEEDS. — (Per cwt.). ANISE.—Cyprian, 175s.; Bulgarian, 170s., duty paid, both spot London. CARAWAY.—Dutch offered at 115s., duty paid. CELERY.—Indian quoted at 187s. 6d., spot, new-crop for shipment, 137s. 6d., c.i.f. CORIANDER.—Unchanged. Spot, Moroccan, 95s.; Rumanian, 75s.; Bulgarian or Polish, 65s.; all duty paid. Shipment, Moroccan, 66s., c.i.f. CUMIN.—Firm. Spot Cyprian, 137s. 6d.; Iranian, 132s. 6d., duty paid. DILL.—Steady. Indian offered at 65s., spot. FENNEL.—Unchanged. Indian, 120s., spot; shipment, 112s. 6d., c.i.f. FENUGREEK.—Steady. Indian, 70s.; Moroccan, 67s. 6d., duty paid. MUSTARD.—English, 57s. 6d. to 75s. according to quality.

SENNA. — *Timevelly* LEAVES are short on the spot. A few prime No. 1 are available at 1s. 5d. per lb., market otherwise bare; PODS, f.a.q., 9½d.; hand-picked, 1s. 3d. to 2s. *Alexandrian* pods available from 1s. 6d. to about 3s. 6d. per lb.; best quality hand-picked not offered.

SHELLAC. — F.O.T.N., 230s. per cwt.; F.O. No. 1, 250s.; fine orange, 275s. to 330s.

TONQUIN BEANS. — Para on the spot are offered at 10s. per lb.

TRAGACANTH.—No. 1 ribbon is £175 to £180 per cwt. No. 2, £150.

TURMERIC.—Madras finger on the spot is 77s. 6d. per cwt. with new-crop, April-May shipment at 60s., c.i.f.

VALERIAN ROOT.—Indian on the spot is 140s. per cwt. Dutch for prompt shipment, 187s., c.i.f.

VANILLIN. — Rates (per lb.) are:—5-cwt. lots, 27s. 3d.; 1-cwt., 27s. 6d.; 56-lb., 27s. 9d.; smaller quantities, 28s.

WAXES. — (Per cwt.). BEES'.—Dar-es-Salaam, spot, 605s., shipment, 570s., c.i.f.; Sudanese, 615s. duty paid and 520s., c.i.f. Abyssinian, spot, 580s., duty paid; April-May, 520s., c.i.f. CANDELLILA.—Spot is 550s. CARNAUBA.—Fatty grey, spot, 550s. per cwt.; for shipment, 560s., c.i.f. Prime yellow, spot, 1,160s.; shipment, 1,080s., c.i.f.

### Essential and Expressed Oils

BAY. — West Indian is 12s. 6d. per lb. on the spot.

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

CADE. — Spanish is 3s. 9d. per lb. for drum lots.

CAJUPUT. — Spot supplies are from 10s. 6d. per lb.

CALAMUS.—Spot quotations are 62s. 6d. per lb.

CAMPHOR, WHITE. — Chinese is 2s. 4½d. per lb., duty paid.

CARAWAY. — English-distilled is offered at 55s. and imported from 28s. to 29s. per lb., duty paid.

CARDAMOM. — Price per lb. is from 350s. for English-distilled and from 267s. 6d. to 297s. 6d. for imported.

CASSIA.—Spot quotations are nominally 13s. 7½d. per lb. and shipment, 13s. 6d., c.i.f.

CASTOR. — Minimum charge for home-produced B.P. oil on the spot is now £183 per ton noked ex mill.

CEDARWOOD.—1-cwt. lots of American are 7s. per lb., and Kenya, 4s. 6d.

CITRONELLA. — Ceylon, spot, 6s.; March-April shipment, 5s. 6d., c.i.f. Formosan, afloat, 7s., c.i.f., with June-August from 5s. 11d. to 6s. 3d. as to date. Spot is 7s. 6d. in bond.

CLOVE.—Madagascar leaf is 8s. 9d. per lb., duty paid and 7s. 6d., c.i.f. for shipment. Rectified B.P., 17s. 6d.; 87-88 per cent., 11s. 6d. Distilled bud oil, English, from 28s. 9d. to 35s. as to quantity.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CUBEB.—Spot supplies are offered at 45s. per lb.

CUMIN. — Quotations for English-distilled oil are about 102s. per lb. and imported 57s. 6d.

DILL.—B.P. English-distilled oil prices are nominal; imported from 36s. per lb.

EUCALYPTUS.—70 to 75 per cent. eucalyptol on the spot is 4s. 9d. per lb.; 80 to 85 per cent., 5s. 6d.

FENNEL.—Spanish sweet on the spot is quoted at 12s. per lb. with Russian at 22s. 6d.

GERANIUM.—Bourbon is from 105s. per lb. on the spot and Algerian, 87s. 6d.

GINGER. — English-distilled oil is 205s. per lb. Imported: Jamaican, 167s. 6d.; Chinese, 100s., duty paid.

GINGERGRASS. — Spot offers are from 27s. 6d. per lb.

HYATA. — Formosan, minimum 90 per cent. safrole, 4s. 10½d. per lb., spot.

LEMON.—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 26s. and 37s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Spot is 8s. 9d. per lb., and prompt shipment, 8s. 3d., c.i.f.

LIME.—West Indian distilled is 45s. per lb. on the spot.

NUTMEG. — Imported B.P. oil is about 105s. per lb. English-distilled, 180s. nominal.

PALMAROSA.—East Indian, 47s. 6d., spot; 41s. 6d., c.i.f.; Formosan, 40s.

PATCHOULI. — Penang is 38s. 6d., duty paid, and 34s. 6d., c.i.f.

PEPPERMINT. — *Arvensis*: Chinese is 29s. per lb. on the spot and 28s. 6d., c.i.f. Brazilian, 20s., spot, and 19s., c.i.f. Formosan, May-June, 17s., c.i.f.; spot, 20s. 6d. Italian "Mitcham"-type oil on the spot is from 52s. 6d.; American, 35s. to 42s. 6d. as to origin.

PINE.—*Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 25s.; Siberian (*abietis*), 12s. 6d. to 15s.

ROSEMARY.—Spanish oil is firm on the spot at 7s. 9d. to 8s. per lb., duty paid.

RUE. — Spot offers for small lots are now 17s. 6d. per lb.

SAGE.—Spanish is from 9s. per lb. on the spot and Dalmatian, 30s.

SASSAFRAS. — Brazilian is 3s. 7½d. per lb., duty paid.

TANGERINE. — Spot supplies offered from 23s. to 36s. per lb. as to quality.

THYME.—Spot is from 9s. to 14s. per lb., according to content.

VETIVER.—Spot is currently at about 95s. per lb.

### UNITED STATES REPORT

NEW YORK, APRIL 2: Export inquiry continued fairly active for CAUSTIC SODA and SODA ASH with most of the interest coming from countries that ordinarily depend on Great Britain for material. Despite the recent advance in synthetic *laevo* MENTHOL the natural product from Brazil eased off five cents to \$6.15 a lb. COPAIBA BALSAM weakened to 55 cents a lb., down five cents as lower offerings from Brazil were reported. DIGITALIS LEAVES were unchanged at \$1.20 a lb. with supplies ample and demand normal. Higher per lb. among ESSENTIAL OILS was SANDALWOOD at \$15.80 (up 50 cents). Lower were GINGER at \$18.50 (down \$3), and GRAPEFRUIT OIL at \$1.50, down 10 cents. PIMENTO LEAF at \$2.65 was five cents down.



## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, April 8

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, Davy House, College of Technology, Ashley Down, Bristol. Annual conference. At 7.30 p.m., welcome to delegates and social evening.

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, lecture hall, Freedom Fields Hospital, at 7.30 p.m. Annual meeting.

SOCIETY OF CHEMICAL INDUSTRY, Senate House, London University, Gower Street, London, W.C.1. International Congress of Surface Activity (first day). Congress ends Friday, April 12.

### Tuesday, April 9

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, College of Technology, Bristol. At 9.30 a.m., Mr. J. Corin (Port of Bristol Authority) on "The Port of Bristol"; at 11.30 a.m., Mr. E. J. Shellard (lecturer in pharmacognosy, school of pharmacy) on "Culture and Pharmacognosy"; at 1 p.m., lunch; at 2.30 p.m., conference outing to Wells, Cheddar and the Mendip hills.

COVENTRY AND WARWICKSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Hare and Squirrel hotel, Coventry, at 7.30 p.m. Annual meeting.

INSTITUTION OF CHEMICAL ENGINEERS, University, Edgbaston, Birmingham, at 11 a.m. Registration for a three-day symposium on "Chemical Engineering Education."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Royal Beach hotel, Southsea, at 7.30 p.m. Mr. L. J. Chamberlain on "Further Sidelines on Pharmacy in Southampton Then and Now."

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, New Cross inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Mr. T. C. Denston (secretary, British Pharmacopoeia Commission) on "Pharmacy and the World Health Organisation."

STOCKPORT BRANCH, PHARMACEUTICAL SOCIETY, Warren Bulkeley hotel, at 7.45 p.m. Dr. J. J. F. Merry (Merck Sharp & Dohme, Ltd.) on "Cor-tisone."

WATFORD AND ST. ALBANS BRANCH, PHARMACEUTICAL SOCIETY, Mid-Herts wing, St. Albans City Hospital, at 8 p.m. Dr. A. Rhys-Davies on "Rheumatism."

### Wednesday, April 10

AGRICULTURE GROUP and BRISTOL SECTION, SOCIETY OF CHEMICAL INDUSTRY, Wills Hall, Stoke Bishop, Bristol, 9, at 10 a.m. First session of a three-day symposium on "Trace Elements in Soils, Plants and Animals."

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Antelope hotel, Dorchester, at 6 p.m. Mr. J. C. Bloomfield (a member of the Society's Council) on "Current Pharmaceutical Affairs."

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, College of Technology, Bristol. At 9.30 a.m., business session; at 1 p.m., lunch; at 2.30 p.m., works visit; at 7 p.m., theatre visit.

ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, God's Providence house, Newport, I.O.W., at 7.30 p.m. Annual meeting followed by "Pharmaceutical Forum": Speakers include Messrs. D. W. Hudson and A. J. Plowright (respectively the Society's vice-president and assistant secretary).

KING'S LYNN BRANCH, NATIONAL PHARMACEUTICAL UNION, Wynn's hotel, King's Lynn, at 7.30 p.m. Annual meeting.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Annual meeting. Miss M. A. Butt (a member of the Pharmaceutical Society's Council) on "Pharmaceutical Education."

NUTRITION PANEL, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 6.15 p.m. Annual meeting.

SWANSEA AND WEST GLAMORGAN BRANCH, PHARMACEUTICAL SOCIETY, Osborne hotel, Swansea, at 7.30 p.m. Dinner.

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, Bonnington hotel, Southampton Row, London, W.C.1, at 7.30 p.m. Annual meeting.

### Thursday, April 11

BIRKENHEAD and WIRRAL PHARMACISTS' ASSOCIATION, Hume hall, at 8 p.m. Dance.

BRITISH PHARMACEUTICAL ASSOCIATION, College of Technology, Bristol. At 9.30 a.m., Mr. A. Aldington (chairman National Pharmaceutical Union) on "The Future of Pharmacy"; at 11.30 a.m., symposium on "The Pharmacist—Technologist or Technician?"; at 1 p.m., lunch; at 2.30 p.m., symposium continued; at Grand hotel, at 7.30 p.m., conference dinner followed by the Bristol Pharmacy Students' Association ball.

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Thorn hotel, Burnley, at 7.45 p.m. Annual general meeting.

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird café, Parliament Street, at 7.30 p.m. Mr. W. R. Roberts (the Society's chief inspector) on "The Society's Disciplinary Procedure."

## PRINT AND PUBLICITY

### COMMERCIAL TELEVISION

PROGRAMME details are given to enable chemists to put in linking-up displays if they wish. Notice given is as far in advance of the programme date as can be guaranteed by the broadcasting companies.

### Sunday, April 14

LONDON: Meggezones cough syrup. Dabitoff. Loxenc. Gaylord Hauser yeast tablets. Twink. Christy's lanolin face pack. Nervone.

MIDLAND: Milton. Opas tablets. Anadin. Brylcreem.

NORTH: Brylcreem. Dabitoff. Opas tablets. Anadin.

ALL: Gibbs' S.R. tooth-paste. Max Factor products. Pepsodent. Palmolive soap. Goya beauty puff.



"JUMBLED STOCK" CONTAINER: Because controlled tests showed that customers were reluctant to purchase from evenly stacked counter displays, Aspro-Nicholas, Ltd., Slough, Bucks, have introduced the "jumbled stock" container illustrated. The unit, a sell-out container, opens up in one movement when the top outer is removed. It contains 2½ doz. Aspro handy and ½ doz. family packs.

### Monday, April 15

LONDON: Beecham's powders. Pepsodent. Anadin. MIDLAND: Milton. Tru-gel. Brylcreem. Vaseline hair cream. Dabitoff. Anadin. Spratt's mixed ovals.

NORTH: Beecham's pills, Alka-Seltzer. Brylcreem. Pepsodent. Anadin. Spratt's mixed ovals.

LEICESTER COLLEGE OF TECHNOLOGY AND COMMERCE, PHARMACY STUDENTS' ASSOCIATION, room 104, Leicester College of Technology and Commerce, at 7 p.m. Mr. D. F. Lewis (Pharmaceutical Society) on "The Pharmaceutical Society and its Work."

MANCHESTER PHARMACEUTICAL ASSOCIATION and BRANCH, Engineers' Club, Albert Square, at 7.45 p.m. Annual meeting.

PROPRIETARY ARTICLES TRADE ASSOCIATION, Connaught Rooms, Great Queen Street, London, W.C.2, at 3 p.m. Annual meeting.

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Palm Court hotel, at 7.30 p.m. Annual meeting.

### Friday, April 12

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, College of Technology, Bristol. At 9.30 a.m., Dr. W. G. Walter (Burden Neurological Institute) on "Thinking Machines"; at 11.30 a.m., "brains trust"; at 1 p.m., lunch; at 2.30 p.m., final session.

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial hotel, at 8 p.m. Annual meeting.

### Tuesday, April 16

LONDON: Beecham's powders. Phensic. Vaseline hair cream. Brylcreem. Innova barrier cream. Anadin. Alka-Seltzer.

MIDLAND: Gibbs' S.R. tooth-paste. Pepsodent. Max Factor products. Loxene.

NORTH: Beecham's pills, powders. Zoflora. Tru-gel. Alka-Seltzer. Vaseline hair cream. Loxene.

### Wednesday, April 17

LONDON: Veno's cough mixture. Phensic. Gibbs' S.R. tooth-paste. Vaseline hair cream. Brylcreem. Dr. Wernet's powder. Anadin.

MIDLAND: Pepsodent. Snowfire wave set. Dabitoff. Anadin.

NORTH: Beecham's pills, powders, Veno's cough mixture. Phensic. Vaseline hair cream. Anadin.

### Thursday, April 18

LONDON: Beecham's powders. Veno's cough mixture. Phensic. Nervone. Brylcreem.

MIDLAND: Gibbs' S.R. tooth-paste. Tru-gel. Brylcreem. Vaseline hair cream.

NORTH: Beecham's pills, powders, Veno's cough mixture. Gibbs' S.R. tooth-paste. Zoflora. Pin-up.

### Friday, April 19

LONDON: Beecham's powders. Veno's cough mixture. Phensic. Pure Silvikrin. Dentilene.

MIDLAND: Anadin. Tangee lipstick.

NORTH: Beecham's pills, powders. Veno's cough mixture. Phensic. Gibbs' S.R. tooth-paste. Brylcreem. Tangee lipstick.

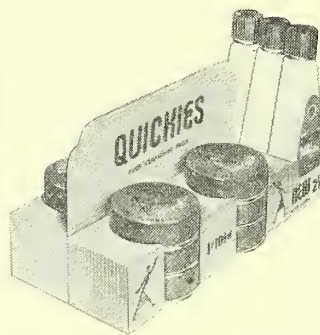
### Saturday, April 20

LONDON: Alka-Seltzer. Meggezones cough syrup. Marigold house gloves. Nervone. Silvikrin



POINT-OF-SALE DISPLAYS: New outers for Go deodorant are in two sizes, the larger to take 1 doz. standard, and the smaller six "economy" size. Their shape has been altered so that they take up less counter space and the back-piece carries a sketch of a girl applying a Go stick. A detachable tag giving the retail price is easily torn off should there be a price change. The sticks fit into slots. A display card has the same colour scheme.





DISPLAY OUTERS. Astral lavatory-bowl block and Astral lavender moth tablets (SECTO CO., LTD., Blackburn, Lancs.)—Quickies face-cleaning pads and new facial lotion (FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1).—Gayelord Hauser extra-potency yeast tablets (LIFE AND BEAUTY, LTD., 5 Avery Row, London, W.1).

shampoo. Opas tablets. Dabitoft. Linc-o-Lin beer shampoo. Gayelord Hauser yeast tablets. D.P. hand cleanser. Dentilene. Tangee lipstick. Max Factor products.

MIDLAND: Flush. Pepsodent. Nervone. Purosan. NORTH: Flush. Dabitoft.

ALL: Vita-glucose tablets. Goya beauty puff. Vaseline hair cream. Brylcreem.

Other products which are being currently advertised (but for which no day of showing has been notified) include: Care hand cream. Cussons' cold cream soap. Amm-i-dent. Cow and Gate cereal food. Thompson & Capper, Ltd., products. Astral cream soap. Bartz sun glasses. Cephos.

Swarfega antiseptic hand cleanser. Rose's lime juice. Saxin tablets.

#### PRESS ADVERTISING

ALFRED FRANKS & BARTLETT CO., LTD., 228 Gray's Inn Road, London, W.C.1: Bartz sunglasses. In national Press and women's magazines.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: Sea-Legs. In national Press and women's magazines.

EVAN WILLIAMS CO., LTD., Aintree Road, Perivale, Greenford, Middlesex: Hi-Glo shampoo. In *Daily Mirror*, *Women's Sunday Mirror*.

Woman, Woman's Own, etc., beginning in May.

EVER-READY RAZOR PRODUCTS, LTD., 28 Bedford Row, London, W.C.1: Ever-Ready natural angle razor. In *Daily Express* and other national newspapers and magazines.

IMPERIAL CHEMICAL INDUSTRIES, LTD., PHARMACEUTICALS DIVISION, Wilmslow, Ches: Savlon antiseptic cream. In national papers and magazines.

MAYBORN PRODUCTS, LTD., Dylon Works, Sydenham, London, S.E.26: Dylon Super-White. In national newspapers and leading women's magazines.

## C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*Tax 30 per cent.; †Tax 90 per cent.

### CUXSON, GERRARD & CO., LTD.

Sanoid borated zinc and starch powder\* Doz. 2 6 I.R.P. 4 1 A

### EVANS MEDICAL SUPPLIES, LTD.

Ferlucon tablets 5,000 114 0 R

### HOWARDS OF ILFORD, LTD. (from April 1)

Howards aspirin tablets*	25	10 10	1 8 A
	100	30 0	4 6 A
sorbitol	6 oz.	30 6	3 4 A
	1 lb.	64 6	7 0 A
sodium bicarbonate	4 oz.	7 4	1 1 A
	8 oz.	11 4	1 4 A
	16 oz.	16 0	1 11 A
Epsom salts	4 oz.	7 4	1 1 A
	8 oz.	10 0	1 4 A
	16 oz.	15 4	1 11 A
boric acid (powder and crystals)	2 oz.	9 4	1 2 A
	4 oz.	14 8	1 10 A
	8 oz.	20 0	2 6 A
Borax powder	2 oz.	8 0	1 0 A
	4 oz.	12 9	1 7 A
	8 oz.	16 0	2 0 A
Glauber salt	4 oz.	11 3	1 4 1 A
	8 oz.	14 3	1 9 1 A
	16 oz.	16 0	2 0 A

### PHILIPS ELECTRICAL, LTD. (from April 1)

Electric blanket EA.1211\* 126 0 R

### ROCHE PRODUCTS, LTD. (from April 1)

Benerva tablets			
3 mgm.	500	9 6 R	
	1,000	16 6 R	
10 mgm.	100	4 3 R	
	500	16 0 R	
25 mgm.	100	8 3 R	
	500	37 0 R	
50 mgm.	100	14 9 R	
	500	68 6 R	
Redoxon tablets			
25 mgm.	1,000	15 9 R	
50 mgm.	500	14 0 R	
	1,000	25 6 R	
200 mgm.	100	11 0 R	
	500	48 6 R	
	1,000	94 6 R	

### THE CROOKES LABORATORIES, LTD.

Two-shot Ferrovat 30-mil vial 15 0

### P.A.T.A. LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

### OPTREX LTD. (Agents: KELDON, LTD.)

(new pack)  
Optrex eye compresses\* 12 50 0 7 6

### MACLEANS, LTD. (new pack)

Macprin\* 8 7 4 1 0

### RELIANCE RUBBER CO., LTD.

Sleeping Beauty hot-water bottle 51 0 5 11 R

Baby Warm hot - water bottle 45 0 5 8 R

### WRIGHT, LAYMAN & UMNEY, LTD. (from April 1)

Blacfrutex cough linctus\* 9 7 1 7 A  
15 8 2 7 A

#### ADDITION TO THE LIST

### ENGLISH GRAINS CO., LTD.

Yestamin powder 8 oz. 33 6 4 0  
16 oz. 50 6 6 0

### NEW PRODUCTS AND PACKS

### ALFRED FRANKS & BARTLETT CO., LTD.

Bartex scissors:—  
Straight nail, bent nail, straight cuticle, bent cuticle, pocket toe-nail nurse's 3 6  
5 0  
7 6

### THE BRITISH DRUG HOUSES, LTD.

Sea-Legs tablets 16 1 8 2 6

### CIBA LABORATORIES, LTD.

Ultracorten-H tablets	Each	
1 mgm.	25	8 6
	100	30 0
	500	130 0
	100	120 0
5 mgm.	25	31 4
	100	120 0
	500	580 0

### CUSSENS, SONS & CO., LTD.

Damask Rose talcum powder† 2 0

### CUXSON GERRARD & CO., LTD.

Cetrimide cream	50 gm.	18 0
Sanisuture No. 10	needle	16 9

### EVAN WILLIAMS CO., LTD.

Hi-Glo shampoo\* 9

### EVANS MEDICAL SUPPLIES, LTD.

Improved pulpy kidney vaccine (A.P.T.) 50 mls 10 0 15 0

### GLAXO LABORATORIES, LTD.

Ef-Cortelan eye ointment 5 per cent. 3 gm. 3 0 4 0

Diphenatiil\*\* repeat action\*\* tablets 100 mgm. 25 9 4 12 6  
250 82 6 110 0

with phenobarbitone tablets 50 15 9 21 0  
500 138 9 185 0

### HOMMEL PHARMACEUTICALS

Pertux\* 125 mls 6 3  
250 mls 12 0

### MOLYNEUX ET CIE (DESIGN & PERFUMES), LTD.

Trois Couronnes Cologne†	Each	
	4 1	9 9
	6 6	15 6
Alliance Cologne†	5 8	13 6
	8 9	21 0

### PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.

Stemetil tablets\* 5 mgm. 25 9 0  
250 84 0

suppositories 25 mgm. 25 12 0

### E. SALLIS, LTD.

Eesiness Vernon surgical stocking pair 35 6

### THORNTON & ROSS, LTD.

Jertox insecticidal aerosol Doz. 42 0 5 0

### UPJOHN OF ENGLAND, LTD.

Albamyacin syrup 2 fl. oz. 18 10

### WARD CASSENNE, LTD. (distributors: FASSETT & JOHNSON, LTD.)

Hydrodeltalone skin ointment with Neomycin 5 gm. 8 6  
15 gm. 21 0

eye ointment 3 gm. 4 0  
eye drops 3 mls 4 6

solution for intra-synovial injection 5 mls 35 0

### WHITECROFT PIN MANUFACTURING CO., LTD.

Kelly hair grips\* 12 3  
28 6



# 'LANOXIN'

THE NEW NAME FOR THE ORIGINAL

# DIGOXIN

When we discovered Digoxin in 1930 we used no other name to distinguish it. In those days, there was but one Digoxin—that issued by B.W. & Co. Today, it has become necessary to provide prescriber, pharmacist and patient throughout the world with that safeguard which a trade mark imposes . . .

**THAT TRADE MARK IS 'LANOXIN'**

## NEW TITLE

'Tabloid' BRAND Digoxin *BECOMES*  
'Lanoxin' BRAND Digoxin, B.P. (compressed)  
Solution of Digoxin 'B.W. & Co.' *BECOMES*  
'Lanoxin' BRAND Digoxin Oral Solution

## NEW PRODUCTS

'Lanoxin' BRAND Injection (for intramuscular or intravenous injection). Boxes of 6 × 2 c.c. ampoules, each containing 0.5 mgm.  
'Lanoxin' BRAND Digoxin Pædiatric Elixir  
Bottles of 2 fl. oz., containing 0.05 mgm. per c.c.

## NO CHANGE OF TITLE

'Wellcome' BRAND Injection of Digoxin  
'Wellcome' BRAND Sterile Alcoholic Solution of Digoxin

**N.B.** Whenever oral Digoxin is ordered 'Lanoxin' may be dispensed



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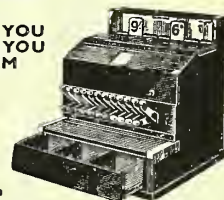
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100 boxes and over 3/- per box, 50 to 99 boxes 3/3 per box, under 50 boxes 4/- per box.  
Standard pack, 6 gross to a box.

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30 brilliant, favourite shades. Orders of one gross bring you a free Counter Display Cabinet on request. Easy 'look-and-choose' opportunity for your customers. Shade Cards and Showcards also available.

48/- per gross: Retail 6d. per packet.  
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- ★ Distinctive SQUARE Shape.
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- ★ Reasonable in Price.
- ★ Prompt Despatch from Stock.
- ★ Available in the following sizes:—  
 $\frac{1}{2}$   $\frac{3}{4}$  1  $1\frac{1}{2}$   $1\frac{3}{4}$  2  $3\frac{1}{2}$  oz.

"The Sign of a  Good Bottle"

Suggested Packs:—

$\frac{1}{2}$ -oz.—25 Aspirin.

1-oz.—50 Aspirin or  
25 Codeine.

$1\frac{1}{2}$ -oz.—100 Aspirin or  
50 Codeine.

$3\frac{1}{2}$ -oz.—100 Codeine.

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ROTHERHAM ESTABLISHED 1751 YORKS.

*First Class in* GLASS



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Lastonet products are well worth a good display. They're steady sellers with a very good profit margin.

And you can step up your sales by using the eye-catching display material available.

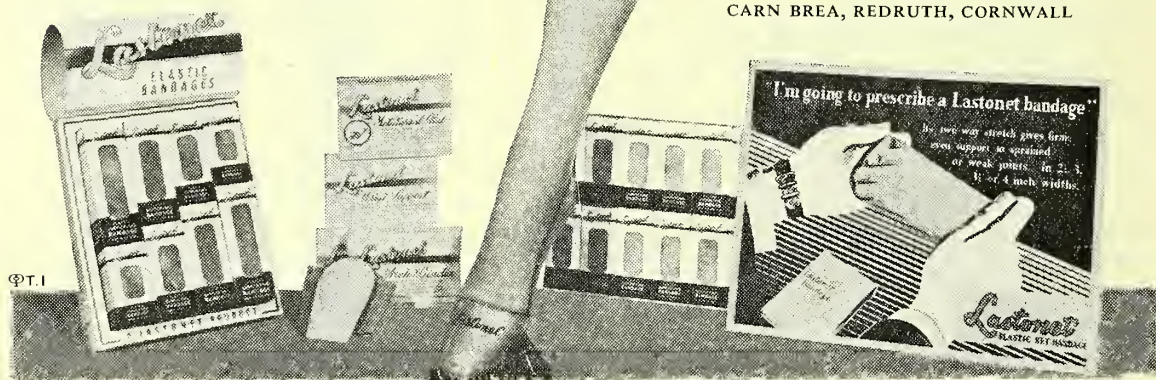
Showcards, display packs and display limbs for Lastonet stockings in your window or at point of sale will all help to boost business.

Just write for whatever you can use.

We'll send it right away.

**Lastonet**  
SURGICAL PRODUCTS

LASTONET PRODUCTS LIMITED  
CARN BREA, REDRUTH, CORNWALL



PT.1

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10 and 20 volumes in bottles. A wide range of packs and labels available.

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Bariform Brand Barium Sulphate for X-ray diagnoses is a fine white powder conforming to the B.P. Designed for the preparation of barium meals, it has excellent suspensibility and extremely fine particle size. It is also available as a rapidly dispersible paste.

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*Grey Hair?*  
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## Keep it DARK with SHADEINE



Still the best hair tint. In all natural Shades. Stocked by all wholesalers. Trade Prices: 1 oz., 21/- per doz., 2 oz. 36/- per doz. Purchase Tax 90%. Retail Prices: 3/11 and 6/8½ per bottle respectively.

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GOLDEN SHADEINE—2 oz. size at 21/- per doz. Purchase Tax 90%, Retailing 3/11 per bottle.



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# SMALLER SIZE TRESS

from Paris

**TRESS**  
WAVE SET

NEW PACK

L'OREAL

PARIS

like this Set twice as long

like this Set makes your Set as lovely for twice as long

**SELLING AT 1/9**

Heavy advertising in  
**'WOMAN'**  
**'WOMAN'S OWN'**  
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will reach  
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—widening the market for this  
fast-selling wave-set

**TRADE TERMS**  
**SMALL SIZE**  
Price 8/10d  
per dozen bottles  
plus 90% tax  
selling at 1/9d per bottle.  
**LARGE SIZE**  
Price 14/5d  
per dozen bottles  
plus 90% tax  
selling at 2/10½d per bottle.

**TRESS**, already one of the biggest selling wave sets, reaches an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size still continues in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

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behind the  
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It is the best and most up-to-date  
permanent hair-tinting preparation  
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Complete and ready for use, with  
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is a comprehensive range of  
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*From your wholesaler  
3/4 plus P.T.  
8/- retail.*

*please ask for  
shade indicator*



Enquiry Bureau: **INECTO HOUSE,**  
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HYDe Park 7541 (12 lines)

**Look at this  
dressing!**



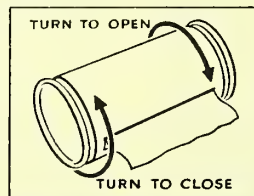
**... It is STERAID GAUZE  
being drawn out of its patent  
container ready to be snipped off.**

What a convenience this could be to your  
Doctor and other customers: they would  
readily buy their Dressings in this simple  
and effective device . . . so very much  
superior to the ordinary packets.

**STERAID DRESSINGS** are made up  
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Display outers, each of twelve containers.

Enter a trial order through your Whole-  
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After use, one slight turn  
at the base will return  
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tainer, enclosing it  
completely from any  
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# Why plunge

## WITH YOUR MONEY ON SUMMER LINES?

There is one line with which you can reduce the odds in the annual gamble with the English summer . . . the famous range of SUBA SEAL BATHING CAPS, styled and made in rubber for EXCLUSIVE SALE BY CHEMISTS by the firm that produces the renowned hot water bottle.

SUBA-SEAL BATHING CAPS appeal to the ardent all-the-year-round swimmer by their efficiency, being perfectly water tight and comfortable to wear, and they have a special appeal to the woman who seeks to top a smart beach outfit with an attractive cap. There is a choice of design motif embossed in the rubber, and the sleek streamlined shape follows closely the natural contours of the head. Add to this the variety of colours available in the Ladies' and Children's caps, Red, White, Pastel Blue and Pastel Green and the range of fittings from Junior to Adult and it will be apparent that it is no plunge to stock SUBA-SEAL but a calculated move to secure a share in summer sales.

"SEA-DIVER" Men's Skull Cap  
Retail Price 2/9  
including Tax



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with strap. One size only.

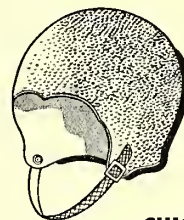
Retail Price including Tax 2/9



### CHIC

with strap. Large medium and small.

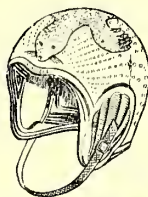
Retail Price including Tax 3/3



### SUBA-SEAL

with strap. Large medium and small.

Retail Price including Tax 4/11



### SEA-MAID

with strap. Large medium and small.

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To simplify selling, the caps are individually packed in transparent film, 12 assorted to your choice in a colourful display carton that is compact and economical of your precious counter space.



Regd.  
Trade  
Mark

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Still the most popular  
Corn remover



# DISPLAY NOW



Carnation Corn Caps are well known and sell readily. Over the years they have become very firmly established and more and more widely known through recommendation and national advertising. Demand increases at this time of the year, and a regular prominent display from now until the winter will pay you well. Carnation Corn Caps have been a C.F. line since its inception.

**RETAIL 1/3d. PACKET**

(INCLUDING TAX)

**TRADE 8/3d. DOZEN**

(PLUS TAX)

CARRIAGE PAID ORDERS

£5 AND OVER

(ALL PRODUCTS)

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Reg. Trade Mark. British and Foreign Patents applied for and pending

### MIXING DEVICE

#### Folding MANUALLY OPERATED Fixed

This is the Pharmaceutical Bulk Blending Device 'par excellence.'

Unlike any other Mixing Device the "Flexiblender" uses the principle of reciprocal displacement within a fluid bulk, to produce the high degree of turbulence required for uniform mixing.

Will function within a W/M Winchester.

It eliminates centrifugal separation due to liquid rotation. (An unavoidable concomitant of all rotary liquid mixing.)

Its balanced design ensures that practically all input energy is converted into turbulent (i.e., true) mixing.

Filled containers are uniformly mixed by Flexiblending; an impossible feat by any shaking process.

By mutual arrangement the "Flexiblender" Turbulent Mixer is now available for use with the 'Skylon' Series of Polythene Carboys, all sizes.

**PRICE 4 GNS. with order**

Post free. Despatched Registered Post

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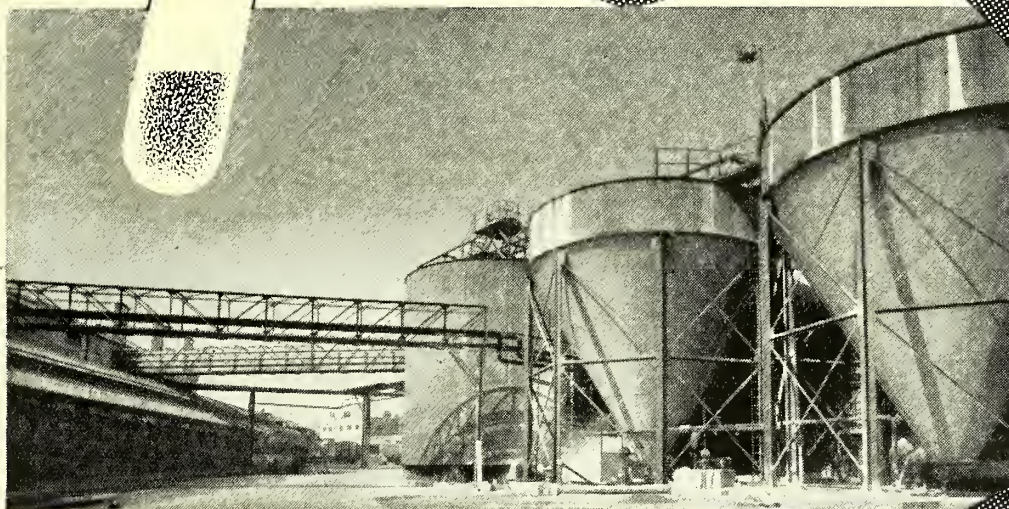
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SIZE CLOSED DIAMETER 1½"  
OPEN DIAMETER 4½"

OVERALL LENGTH  
15½"



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BRAND OF NITROFURANTOIN

in urinary tract infections



Furadantin is an antibacterial compound for the oral treatment of urinary tract infections only. Therapeutic concentrations up to 400 mcg./ml. appear in the urine but blood and tissue concentrations are very small. The drug is effective against most organisms found in the urinary tract, including *Proteus* and *Aerobacter*, and some strains of *Pseudomonas*.

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- Oral administration
- Action confined to urinary tract
- Broad antibacterial spectrum
- Only minor side-effects

Furadantin (brand of nitrofurantoin) is available as tablets of 50 mg. in bottles of 25 or 250.

Further information on the use of Furadantin, or Diagnostic Tablets for bacterial sensitivity tests, will be sent on request.

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★ *Furadantin is manufactured by a registered user of the trade mark under licence from the Norwich Pharmacal Company (Eaton Laboratories Division).*

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Telegrams: UNGLABOMAN, LESQUARE, LONDON



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have a long cuff to protect the sleeves or to turn back to deflect trickles of water, and flock lining for a smooth slip on-and-off.

**DUNLOP HOUSE GLOVES**

have curved fingers and a roughened surface for a safer, surer grip.

Also available with smooth surface.

*help yourself to bigger sales of-*



# help yourself



Either of these two new Display/Dispensers  
FREE with orders of six dozen  
pairs will speed your sales of Dunlop House  
Gloves and Gauntlets.



Choose the attractive help-yourself dispenser  
designed for counter or hanging display or the  
free-standing model. Ask for either at your usual  
wholesaler when you place your next order.  
Remember, self service means bigger business.



COUNTER OR HANGING MODEL

# DUNLOP House Gloves & Gauntlets





## It is a long way to CARLSBAD

... but nevertheless you can benefit from the world-renowned healing springs of this famous spa. Carlsbad thermal salt replaces it by providing complete home treatment for stomach and gall diseases of all kinds — of course only if it is the genuine, natural one, from

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Distributed by :

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Just one pack of each of the Cuticura Preparations in your attractive window will catch the eye of every Cuticura Customer. They know that the pharmacy that sells their Cuticura, stocks only the best.

**STOCK AND DISPLAY**

## Cuticura

**SOAP  
OINTMENT  
HAND CREAM  
SHAVING STICK  
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MEDICATED LIQUID**

381

*The Best costs no more!*

when ordering ZINC OXIDE  
insist on —

# FELLING

**ZINC OXIDE B.P.**

**AND GET THE  
Highest Standard of Purity**

**WHOLESALE ONLY SUPPLIED  
ENGLISH MANUFACTURE  
USED THROUGHOUT THE WORLD**

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

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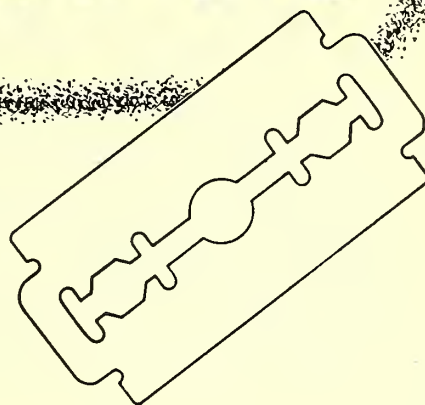
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**THE STAINLESS**

**SWORD-EDGE**

**TRIPLE LIFE  
RAZOR BLADE  
IS CUTTING A BIG  
SALES  
FIGURE**



The Sword-Edge blade is packed in an attractive dispenser with compartment for used blades, retailing at 2/6 for 5.

**FITS ALL STANDARD DOUBLE EDGE RAZORS.**

***These attractive sales aids are available:—***

**SE.1** Attractive plastic counter display unit containing two dozen dispensers of 5 blades. Size 7" x 6".

**SE.2** Colourful process mounted washable showcard. Size 12" x 8".

**SE.3** Smaller edition of showcard. Size 6" x 4".

**SE.4** Waterproof self-adhesive strip in colour for use on windows, showcases, mirrors, etc. Size per unit 12" x 2".

**SE.5** Window sticker in colour, gummed and printed on both sides, for glass doors, windows, etc. Size 11" x 8".

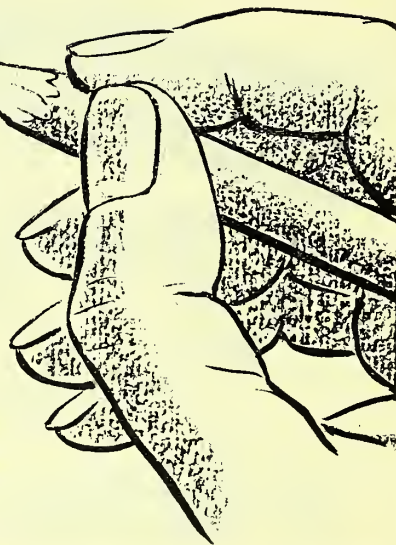


WILKINSON SWORD LTD., SWORD WORKS, LONDON, W.4



# DANDRUFF

Yes, dandruff can be ruled out entirely by the application of Gill's Dandruff Remover Shampoo. However deep-seated the dandruff may be, whether the sufferer is man, woman or child, Gill's gives instant relief. Thousands of testimonials from all parts of the country support our claims and prove that Gill's enjoys full public confidence. Be sure you are adequately stocked with this highly profitable line.



## Gill's

### DANDRUFF REMOVER SHAMPOO

Retail size bottle 2/9 - wholesale 18/4 per dozen. From all wholesalers.

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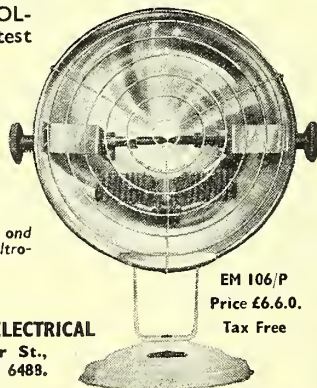
ALL LAMPS SOLD UNDER  
DOCTOR'S PRESCRIPTION

Write or 'phone for full particulars and  
illustrated lists of Infra-red lamps, Ultra-  
violet and high frequency machines.

THE LONDON COMMERCIAL ELECTRICAL  
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EM 61/P  
Price £6.2.6.  
Tax Free



EM 106/P  
Price £6.6.0.  
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Is yours? Have you ordered Shandruff yet? It's time you stocked this new money spinner, because as a 6d. sachet it is now doing big figures. Reasons  
(1) It's very, very good  
(2) It's most attractive  
(3) It's an automatic "repeater." So



These neat little counter  
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Price 42/- per gross sachets, plus P.T. AVAILABLE ON SALE OR RETURN  
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*Bonus Terms*

THESE MEGGESON PRODUCTS



## AND OTHER FAST SELLING



MEGGESON PREPARATIONS



## QUALIFY FOR BONUS TERMS

The bonus is one dozen tins of Meggeson Glycerine and Blackcurrant Pastilles or one dozen tins of Meggeson Glycerine Lemon and Honey Pastilles, or one dozen tins of Meggeson Gee's Linctus Pastilles for each order to the value of £10.





**THE TONIC for**  
the CONVALESCENT  
the OVERWORKED  
the ELDERLY  
YOU CAN RECOMMEND WITH CONFIDENCE

**EASY TO TAKE**

**and EASY TO SELL!**

Bonus of 13 to the dozen for 3 dozen  
assorted during APRIL and MAY

SIZE	RETAIL	TRADE PRICE PER DOZ.	YOUR PROFIT PER BOTTLE
4 oz.	2/10	17/- (P. Tax 5/1½)	11½d.
8 oz.	4/7½	27/4 ( „ 8/2 )	1/8
10 oz.	8/2½	48/2 ( „ 14/5½)	2/11½

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**TONIC PHOSPHATES**



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# The 'COMMON COLD'

## —a new approach

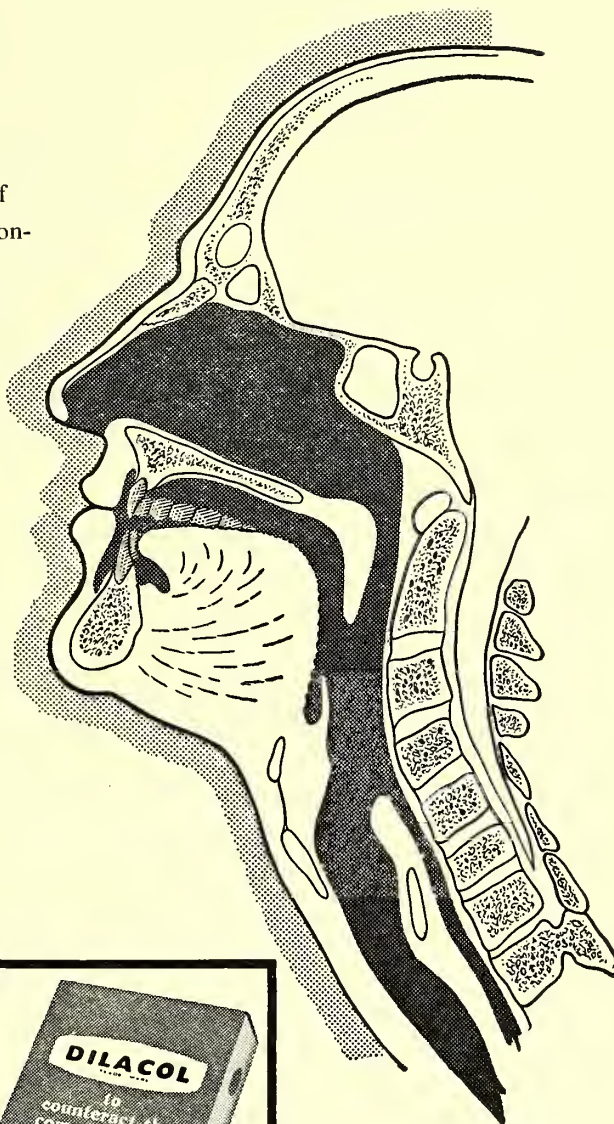
**DILACOL**  
TRADE MARK

DILACOL reverses the previously favoured method of symptomatically treating the common cold with a vasoconstrictor. Instead, DILACOL has as one of its principal ingredients a powerful **vasodilator** in the form of 'Perdilatal' (used in the treatment of peripheral vascular diseases).

The administration of this vasodilating substance increases vascularity of the nasal mucosa, thus leading to a more copious secretion followed by a rapid relief of the symptoms—as opposed to a mere “drying-up” of the vessels.

DILACOL is in category 4 and therefore prescribable under N.H.S. It may, however, be bought over the counter without prescription.

This time of the year shows increasing turnover in products designed to counteract the common cold. By recommending this new way of counteracting “colds” you will have return business—as well as the thanks of your customer.



	Trade Price	Retail Price	
Cartons of 24 tablets (individually wrapped)	31/8d. per doz.	4/9d. each	} Inc. P. Tax
Box of 480 tablets (individually wrapped)	47/6d. each	85/6d. each	
Containers of 500 tablets (not individually wrapped)	39/2d. each	70/6d. each	

Subject to P.T. at 30%

These prices are subject to the usual wholesale discount.



SMITH & NEPHEW LTD, WELWYN GARDEN CITY • HERTS

an  
**S&N**  
product



## The 'Blue Star' Success Story . . .

☼ Southalls 'Blue Star' — the sanitary towel "designed by women for themselves" — has been the greatest success since Southalls 'Original', sixty years ago.

☼ Women have found they can *trust* its perfect cut . . . its layers of super-absorbent cellulose tissue in softest cotton-wool . . . its protective backing, for extra security.

☼ Now — again in consultation with a consumer panel of women — 'Blue Star' has been given a *soft knitted cover*, with firmly-stitched loops . . . final perfection in comfort and appearance.

**...and now at a truly competitive price!**

☼ The new 'Blue Star' will soon be advertised nationally. Make sure your stocks are sufficient! Ask our representative for details of new lower prices, also new point-of-sale material!

Blue Star

REGD. T. M.



by Southalls

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*Display Zoflora on your counter - it's a good steady seller*

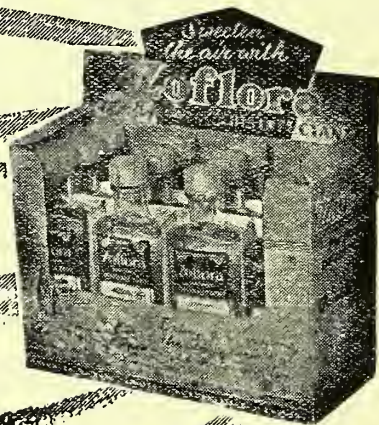
**SELLS ON SIGHT**

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**Zoflora**

*Perfumed Disinfectant*



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TR 190



# Evan Williams

announce



a *New*  
liquid shampoo  
in a clear sachet

**FOR ALL TYPES, ALL COLOURS AND ALL CONDITIONS OF HAIR**  
a new liquid shampoo in a clear eye-catching sachet

Hi-Glo is completely new. It contains Dyroxin, an ingredient which, to quote the laboratory report, is "particularly effective for imparting highlights to the hair." Dyroxin is exclusive to Evan Williams Hi-Glo, and gives it a startling advantage over all other shampoos.

Hi-Glo will be heavily advertised in the *Daily Mirror*, the *Woman's Sunday Mirror*, *Woman*, *Woman's*

*Own* and other leading women's periodicals beginning May.

Hi-Glo is packed in a particularly attractive display carton containing three dozen.

**Hi-Glo**  
**9<sup>D</sup>**  
PER LARGE SACHET

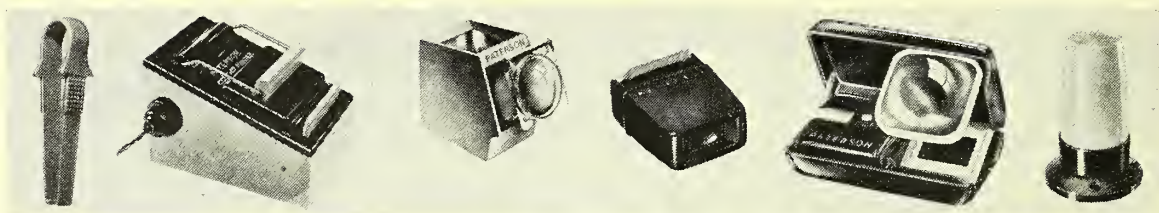
## LIQUID LANOLIN SHAMPOO SACHETS TAKEN IN PART EXCHANGE

To clear the way for the new Hi-Glo, the paper sachet pack (*not* the bottles) of the Evan Williams Liquid Lanolin shampoo will be eventually withdrawn. Credit will be given in full for all Liquid Lanolin *paper sachets* returned with orders for Hi-Glo received in April. Credits cannot be approved after April 30. The trade is being notified of the details of this plan. If you do not receive them please write.

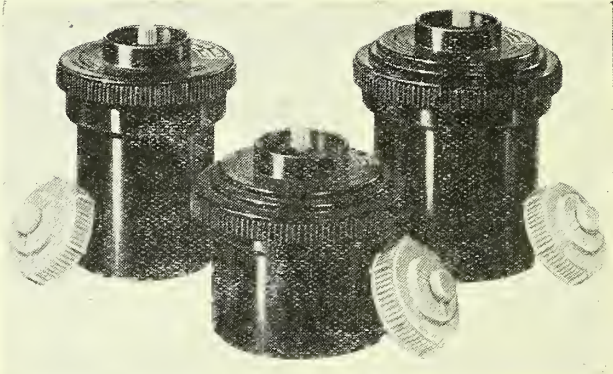
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The hundreds of thousands of photographers throughout the country know Paterson Products for their advanced functional design and first class performance. The demand for them is constantly growing and if you do not stock the shop in the other street will clinch the sale.

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Set of 4 Charts printed in  
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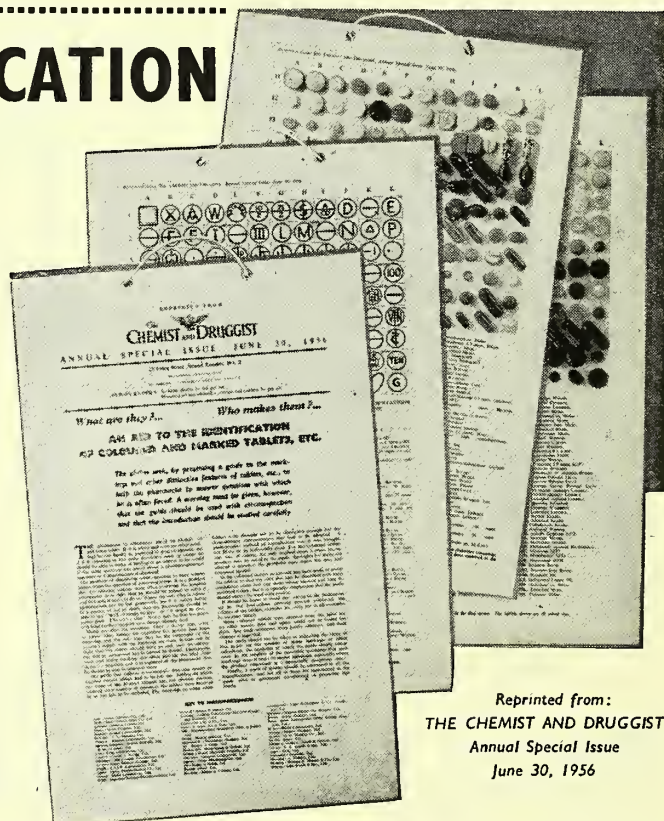
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**CHEMIST AND DRUGGIST**

28 ESSEX STREET, STRAND, LONDON, W.C.2

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Reprinted from:  
THE CHEMIST AND DRUGGIST  
Annual Special Issue  
June 30, 1956





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Citroze sales are leaping ahead. A wonderful product backed by lively, forceful publicity.

Right through the summer Citroze will be heavily advertised on the complete TV network, with two 30-second spots per week in London, Manchester and Birmingham. And there'll be large space advertising in the national Press backed by a continuous campaign in the Radio Times and the medical Press. Your customers will like the economy of Citroze! One bottle makes from 3½ to 4 full strength pints.

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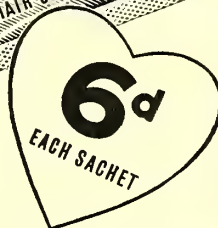


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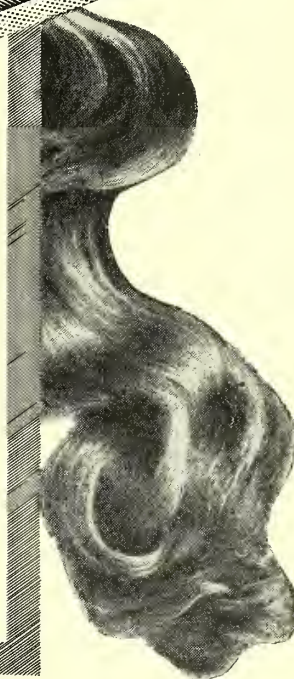
Display SAFADA and cash in on the big new demand.

It is the shampoo with a special conditioner that women want—at a price they can afford to pay...

SAFADA is packed in 3-dozen display boxes.

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*In every sphere of ethical practice Calmic preparations are confidently prescribed. Constant research and rigid standards of production control are bringing about new methods of treatment and pharmaceutical preparations of proved clinical excellence.*

### POLYBACTRIN

The first antibiotic powder spray. The antibiotics are presented in an ultra-fine powder form dispersed under pressure with a propellant, for topical application. Indicated for all branches of surgery and for use on any broken tissue surface as a prophylactic or treatment.  
*No samples available.*

### FERROMYN

Containing Ferrous Succinate, the new oral organic iron for the treatment of iron deficiency anaemias, specially recommended for the anaemias of pregnancy. In liquid or tablet form. Dosage: 1 teaspoonful/tablet t.d.s. or as prescribed. Packs: 4-oz., 20-oz., 40-oz., 80-oz. bottles. 100 tablets, 1,000 tablets.

### FERROMYN 'B'

Containing Ferrous Succinate, the new oral organic iron for the treatment of iron deficiency anaemias accompanied by Vitamin B deficiency. In liquid or tablet form. Dosage: 1 teaspoonful/tablet t.d.s. or as prescribed. Packs: 4-oz., 20-oz., 40-oz., 80-oz. bottles. 100 tablets, 1,000 tablets.

### HYPON

Analgesic and antipyretic tablets — containing Codeine, Phenacetin and Acetylsalicylic Acid with addition of Caffeine and Phenolphthalein to overcome side effects in the form of depression and constipation respectively. Packs: 10, 50, 125, 250. Tax-free dispensing packs 600, 1,000.

### CEREVON

A haematinic compound utilising the advantages of Ferrous Gluconate for the treatment of microcytic hypochromic anaemias, iron deficiency anaemias and the anaemias of pregnancy. Available in tablet form or as an Elixir incorporating Vitamin 'B' factors. Packs: Bottles of 4, 20, 40, 80 fluid ozs. 100 tablets, 1,000 tablets.

### DRAPOLENE CREAM

For napkin rash. A water-miscible cream for the treatment and prevention of urinary dermatitis in infants and incontinent patients. Packs: 2-oz. tubes and 1-lb. dispensing jars.

### CICATRIN

Amino acid antibiotic Cream and Powder for topical application containing 250 units of Bacitracin and 5 mg of Neomycin per gramme in addition to the tissue promoting amino acids 1-cystine, dl-threonine and glycine. Bacterial resistance to this antibiotic combination is extremely rare and there is no risk of toxic reaction occurring. Cicatrin Cream and Powder are indicated for the treatment of superficial wounds, burns, varicose ulcers, rectal surgery and pyogenic skin conditions. Packs: 15 gramme collapsible tube. 15 gramme sprinkler.

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LIMITED**



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## ORRIDGE & COMPANY

**184 STRAND, W.C.2**

Tel: TEMple Bar 9212/3 & 6340

**CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL**

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### BUSINESSES FOR DISPOSAL

**BOURNEMOUTH/POOLE** area. Large, single-fronted shop in new terrace on growing estate, together with excellent living accommodation comprising three bedrooms, bathroom, lounge, kitchen, etc. Most suitable for a chemist. No opposition over big distance. £4,100 freehold. Mortgage available.—Dixon, 114 Poole Road, Westbourne, Bournemouth. C 4529

### APPOINTMENTS

#### CITY GENERAL HOSPITAL, SHEFFIELD, 5

Locum Pharmacist

required. Rate of pay £16 16s. per week. Apply giving full details and period available to the Group Secretary, Nether Edge Hospital, Sheffield, 11. C 6423

#### CLARE HALL HOSPITAL, SOUTH MIMMS, BARNET, HERTS

Assistant-in-Dispensing

required. Whitley Council rate of pay, plus London Weighting. Applications to Medical Director. C 322

#### CLARE HALL HOSPITAL, SOUTH MIMMS, Nr. BARNET, HERTS

(405 beds for diseases of the chest)

Senior Pharmacist

required. Whitley Council scale, including London Weighting (also £25 per annum for higher qualification if appropriate). Department serves other hospitals.

Applications, stating age, qualifications, experience, and giving names of two referees, to be sent to the Medical Director. C 312

#### HOSPITALS FOR DISEASES OF THE CHEST

Pharmacist or Senior Pharmacist

Applications are invited for the post of Pharmacist or Senior Pharmacist at THE LONDON CHEST HOSPITAL. Salary in accordance with the Whitley Council scales. Applications, stating age, qualifications and experience, accompanied by two testimonials should be addressed to the House Governor, London Chest Hospital, E.2. C 6394

#### KING EDWARD VII HOSPITAL, WINDSOR

Locum Pharmacist

required, June to August inclusive. Salary by arrangement. Applications to Secretary as soon as possible. C 6382

#### MOORFIELDS EYE HOSPITAL, CITY ROAD, LONDON, E.C.1

Locum Assistant-in-Dispensing

(Apothecaries' Hall Certificate) required immediately for approximately six months. Applications with age and experience to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 6421

#### MEDWAY AND GRAVESEND HOSPITAL MANAGEMENT COMMITTEE,

#### ST. BARTHOLOMEW'S HOSPITAL, ROCHESTER, KENT

(201 beds)

Pharmacist

required for busy general hospital; good experience. Recognised salary scale and conditions of service.

Applications, giving full details of experience and names of two referees to the Hospital Secretary. C 6376

#### NEW CROSS HOSPITAL, WOLVERHAMPTON

(627 Beds—General and Maternity)

Pharmacist

required. Salary Scale £580—£785 p.a. (Starting point according to experience.) Detailed applications with names of two referees to Hospital Secretary. C 6413

#### ORPINGTON HOSPITAL, ORPINGTON, KENT

Pharmacist

Whole-time or part-time. Whole-time salary £580—£785 p.a. plus London Weighting. Well equipped department with full supporting staff in busy General Hospital.

Assistant-in-Dispensing

Whole-time or part-time. Whole-time salary £170—£490 p.a. plus £20 for approved qualification and London Weighting. Post affords good experience in all branches of Hospital dispensing.

Applicants for either post may visit by appointment. Apply with full details to Physician Superintendent. C 6412

#### ROYAL NORTHERN HOSPITAL, HOLLOWAY, LONDON, N.7

Pharmacist

required. Whitley salary and conditions. Incremental credit given for National Service or previous retail experience. Within easy reach of Archway and Holloway Road Underground. Application forms from Hospital Secretary. C 317

#### SEAMEN'S HOSPITAL, GREENWICH, S.E.10

Locum Pharmacist (or Assistant-in-Dispensing) required June 17-29 and July 8-20. Salary up to 16 guineas per week. Accommodation might be arranged if required. Apply Chief Pharmacist. C 4535

#### ST. HELIER HOSPITAL, CARSHALTON, SURREY

(731 beds)

Senior Pharmacist

Applications invited for above post. General acute hospital (category V). Well-equipped pharmaceutical department. The successful applicant will be responsible for the manufacture and issue of wards stocks within hospital and also for issues to the other nine hospitals in Group. Salary (plus London Weighting) in accordance with Whitley Council Scale. Good canteen facilities. Apply, giving names of two referees, to the Secretary. C 6378

#### WALTON HOSPITAL, LIVERPOOL

Pharmacist

Vacancy exists for pharmacist in well-appointed, newly modernised hospital dispensary. 39-hour week. Salary on scale £580—£785. Apply to Secretary. C 6404

#### WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX

Pharmacist or Assistant-in-Dispensing required part-time. Whitley salary and conditions applicable. Applications stating age, qualifications and experience, with names of two referees to Chief Pharmacist. C 6401

### SITUATIONS VACANT

#### RETAIL (HOME)

**BLACKPOOL CO-OPERATIVE CHEMISTS, LTD.**, invite applications for the position of pharmacy branch manager (male or female). Permanent position for suitable applicant. Superannuation scheme with transfer clause in operation. Salary based on scale and bonus is at present £830 per annum plus rota fees and offers scope for increase. Applications stating age, experience and present position to Superintendent Chemist, Sheppard Street, Blackpool. C 4504

**CENTRAL LONDON.** Unqualified lady assistant required for general counter and shop duties. Salary £8 per week. Holiday this year by arrangement. Replies to Box C 4543.

**EDGWARE.** Junior Dispenser. Hall Certificate preferred. Derek Clarke, 85 Station Road, Edgware, Middlesex. Tel.: Edgware 2061. C 321

**ILFORD.** Managing pharmacist required for modern and attractive shop. There will be a substantial salary structure, a good supporting staff and well-equipped dispensary. Permanency with superannuation benefits. Apply, stating full details and when available for interview to Box C 4547.

**LADY ASSISTANT** required, knowledge of dispensing an advantage, for good-class pharmacy close to station. Usual hours and working conditions. Superannuation scheme. Holidays this year. Please give all details of age, previous experience and approximate salary required to Arnold M. Gee, Ltd., 1543 London Road, Norbury, S.W.16. C 4538

**LADY**, mainly to assist with dispensing, required for middle-class family business. Help given with accommodation if necessary and holidays this year. Please give details of age, previous experience, etc., to Arnold M. Gee, Ltd., 70 Herbert Road, Plumstead, S.E.18. C 4539

**MANCHESTER** (Harpurhey). Private firm has vacancy for keen progressive manager in pleasant busy pharmacy. Adequate efficient staff, and well-equipped spacious dispensary. Basic salary, bonus and profit-sharing scheme yield first-class salary to experienced pharmacist. Optional pension scheme. Three weeks' holiday p.a., plus occasional week-ends. Present manager, after 15 years with the firm, will be pleased to recommend this appointment to prospective applicants. Please give particulars of age, experience, etc., stating availability for interview (expenses paid), to G. T. Espley, M.P.S., 49-73 Daisy Lane, Blackburn. C 4546



**SOUTH AFRICA**

**HILL & MURRAY LIMITED** are looking for an Assistant Pharmaceutical Chemist aged 25 to 35 years with a minimum of 3 years manufacturing experience plus a good knowledge of laboratory control work. The successful applicant would be required to supervise all the processing and control of a number of well known international lines. He must be a good organiser and sufficiently responsible to take over factory management from time to time.

Commencing salary £1,000 per annum or more dependent on experience. Tremendous opportunities for advancement for the right man.

Payment of fares to be negotiated. Interviews in London. Please send full particulars in writing to Hill & Murray Limited, c/o Export Trading Services Ltd., 3 Cork Street, Bond Street, London, W.1. C 6411

**Situations Vacant—Continued**

**LONDON, E.8.** Unqualified male dispensing assistant required. Counter experience great advantage. Permanency. Excellent salary for right man. Other staff employed. No Sunday, half-day or rota duty. M. Land, Chemist, 448 Kingsland Road, Dalston, E.8, Clissold 8211. C 4528

**NORTH LONDON.** Unqualified assistant required (lady or gentleman) mainly for dispensing. Salary according to age and experience. Three weeks holiday a year. Apply with details of previous experience and when free for an interview to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916. C 6419

**PETERBOROUGH.** Pharmacist required in the near future to manage large new modern branch. An attractive self-contained flat is now being completed and will be available at a reasonable rent. This is a permanent, superannuated post with excellent conditions of employment and prospects. Apply giving full particulars and salary required to Peterborough Co-operative Chemists, Ltd., Park Road, Peterborough. C 4514

**PHARMACIST (male)** required to take charge of busy dispensary (London, S.W.1). Hours 9 a.m. to 5.30 p.m. Sats., 1 p.m. Apply with full particulars to Box 709, Sells, Ltd., Brettenham House, Strand, London, W.C.2. C 319

**PHOTOGRAPHIC STAFF.** London Co-operative Chemists are desirous of obtaining the services of male or female staff interested in the sale of photographic requisites and cameras. The positions offer progress and promotion and are situated in various suburban districts of London. Application by letter to Photographic Manager, Grange Road, Leyton, E.10, when an appointment will be arranged. C 4550

**SOUTHALL.** A managing pharmacist required for a substantial dispensing business in this area. The shop is attractively fitted with a good supporting staff. Apply with full details, stating when available for interview to Box C 4548.

**LOCUMS WANTED**

**LOCUM TENENS** pharmacist of experience required to undertake several months tour of duties in the London area. Expenses and salary basis. Application in first instance to Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 4549

**WHOLESALE**

A **CHEMIST** with qualifications and experience is required for a senior post in the analytical laboratory of a West Midlands Company, manufacturing pharmaceutical products. The man appointed to this interesting and progressive post will need to be enthusiastic, willing to learn new techniques, able to control staff and to accept responsibility. Conditions of employment are good and there are pension and profit participation schemes in operation. Applicants should give full details of experience, also state age, qualifications and salary required to Box C 6395.

**ASSISTANT** warehouseman and driver for chemists' and druggists' sundries. Apply by letter to: Portland Supply Co., 54-58 Stoney Lanc, London, E.1. C 4542

**APPLICATIONS** invited for position of assistant to the Medical Information Officer. The position offers scope for a young man 25/30 years with a medical background. Ability to handle correspondence of a medical and technical nature, and to abstract from technical journals an advantage. Reply with details of education, experience, etc., to Box C 6380.

**ASSISTANT** to Export Director required, age 35/40. Good commencing salary with excellent prospects for advancement. Successful applicant must have knowledge export toilet goods or pharmaceuticals to European markets. Knowledge of advertising and production. Willing to travel European countries with knowledge of French, other languages an advantage. Apply in confidence, in writing, to Export Director, Northam Warren, Ltd. (Cutex, Odorono, Peggy Sage), 210/214 Bath Road, Slough, Bucks. C 4525

**AYRTON, SAUNDERS & CO., LTD.,**

invite applications from young men pharmacists for interesting and varied work on sterile products and formulation. Five-day week, canteen, pension scheme. Applications to Technical Director, Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1. C 6410

**E. R. SQUIBB & SONS, LIMITED,** Manufacturing Chemists, Woodend Avenue, Speke, Liverpool, 19, invite applications for the newly created senior post of Chief Chemist—Development and Formulation Laboratory. Position offers considerable scope to a suitable candidate who should be of degree standard and able to maintain constant high-level liaison with the Parent Company in the U.S.A. Applications should give full details of age, experience, salary required, etc. C 6416

**FACTORY AND PRODUCTION MANAGER**

Scottish firm, with established range of ethical pharmaceutical products, require a pharmacist to undertake manufacture and factory management. The appointment, which is pensionable, offers wide scope and opportunity to the right man. Applicants should state age, qualifications, experience and present salary. Box C 6426.

**FULLY** experienced representative required for the Suba Seal and Suba Maid Domestic Divisions. Territory comprises the counties of Oxford, Bucks, Berks, Hampshire and Middlesex (excluding Greater London postal districts). Live wholesale and retail connection in the Chemist and Hardware trades for selling nationally advertised products. Permanent superannuated staff position. Reply in strict confidence stating age, experience and present salary to: General Sales Manager, William Freeman & Co., Ltd., Suba-seal Works, Peel Street, Barnsley. C 6417

**LEADING IMPORTER/EXPORTER/DISTRIBUTOR** has opening for young man as sample clerk, previous experience not essential, but interest in chemistry an advantage. Reply Box C 315.

**DRESTON LABORATORIES**

—invites Agents with established connections in the Chemist and Hairdressing trade to carry Dreston Aids to Hair Beauty for the Northern, Midland, and Eastern areas. Liberal commission to live agents.

Apply—DRESTON LABORATORIES, TURNPIKE LANE, LONDON, N.8. C6422

**SALES PROMOTION**

An interesting job of sales promotion is offered by a well-known firm of pharmaceutical chemical manufacturers. It provides an attractive salary with good prospects to a qualified or experienced pharmacist with some knowledge of this type of work. Age preferably between 30 and 40. Pension scheme available. All applications treated in strict confidence. Box C 6425.

**PHARMACEUTICAL GENERAL COUNCIL (SCOTLAND) APPOINTMENT OF SUCCESSOR TO SECRETARY**

Applications are invited from Pharmacists between the ages of 35 and 50 for the post of successor to the Secretary. Salary £1,250—£1,850, by annual increments of £75, with placing on the scale according to qualifications and experience.

Application forms and conditions of service may be obtained from The Secretary, Pharmaceutical General Council (Scotland), 36 York Place, Edinburgh, 1. Completed application forms must be returned not later than May 31, 1957. C 6418

**JEAN SORELLE, LTD.,** have vacancies in the following territories for gentlemen with own car and good connections with wholesale and retail chemists, stores and co-ops. Commission basis only. South-west England, Wales, Home Counties, North of the River, East Anglia. Apply in writing to 22 Turle Road, London, N.4. C 4532

**LEADING EXPERT** manufacturers of hairdressers bulk supplies, require a full-time representative for their existing connection in the Midlands and Northumberland. Applicants must be first-grade salesmen of a high personal standard and must also be "Persona Grata" amongst hairdressers in the areas mentioned. Generous remuneration. Apply for a personal interview to Box C 6396.

**PHARMACIST FOR LONDON AREA**

A pharmacist is required to discuss with the medical profession the products of modern pharmaceutical research. Have you the personality and enthusiasm to talk convincingly on products that interest doctors? A man interested in making a career with a progressive company, is offered sound training, a car, plus excellent salary and liberal expenses.

Write to the Sales Manager, Upjohn of England, Ltd., Fleming Way, Crawley, Sussex. C 6324

**MEDICAL REPRESENTATIVES** required for the following areas (1) Staffs and Shropshire, (2) South Wales, (3) Notts, Derby and Leicestershire; preferably 25-35; personality, enthusiasm and sales ability are prime requirements; pharmaceutical experience an advantage but an interest in medical technicalities and ability to learn quickly are an acceptable alternative; the post entails detailing highest quality pharmaceutical products to the medical profession and servicing the retail and wholesale pharmaceutical trade. Company car provided. Expenses allowed and a pension scheme is operated. Applications in writing, giving fullest details of education and experience, should be addressed to the Sales Manager, Lederle Laboratories Division, Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2. C 320



## ORTHO PHARMACEUTICAL LIMITED

**A**N opportunity occurs for a keen young Chemist or Pharmacist (qualified or studying) to join the production staff of above company. The appointment is permanent, pensioned and well-paid with prospects of progressive advancement.

Write or call Ortho Pharmaceutical Limited, High Wycombe, Bucks.

C 6408

## ROCHE

### Medical Representatives

are required for the following areas:—

1. North London
2. Devon, Cornwall and West Somerset including Bristol

Previous experience not necessary but applicants should hold a pharmaceutical qualification. Applicants with no pharmaceutical qualification should give adequate details of experience, education and/or academic attainment to warrant consideration. Age up to thirty-five years. Usual expenses and salary commensurate with experience. Contributory pension scheme.

Detailed application, which will be treated as confidential, to the Secretary, Roche Products Limited, 15 Manchester Square, London, W.1.

C 6402

### Situations Vacant—Continued

**OLD-ESTABLISHED** cork manufacturer requires representatives already calling on chemists. Commission basis only. Box C 4536.

**PHARMACIST** (woman) required shortly by The British Drug Houses, Ltd., for a permanent and progressive post in the dispensary. Five-day week, pension and profit-sharing schemes, canteen and sports club. Write giving details of qualifications, age, experience and salary required to the Staff Manager, Graham Street, London, N.1. C 6392

**PHARMACIST** wanted by well-known manufacturing chemists in the South of England to take charge of all galenical production. Apply giving full particulars of experience. Box C 6375.

**REPRESENTATIVE** for mid-Surrey wholesale house, chemists' sundries, with connection Surrey, Sussex, Hants. Preference given to one willing to invest with view to taking control. Full particulars, Box C 4537.

### ROUSSEL LABORATORIES LIMITED

have a vacancy for a Pharmaceutical Chemist in a modern rapidly expanding organisation. The position calls for a man able to supervise production processes. This is an attractive position for a keen, conscientious man interested in a future. Pension scheme and canteen facilities. Write in confidence giving details of experience and salary to: Staff Manager, 847 Harrow Road, London, N.W.10. C 6424

**SALES REPRESENTATIVE** for manufacturing chemists to call on qualified veterinary profession, Northern Counties and Scotland, to take over very well established connection with good prospects of further development. Car and expenses provided with good salary and bonus. Some knowledge of pharmacy and veterinary products essential. Previous experience of representation is very desirable. Apply Box C 6407.

**THOMAS KERFOOT & CO., LTD.**, have a vacancy for a representative experienced in calling on chemists in the Glasgow, Lanark, Renfrew, Stirling and Dumfries area. Applicant should not exceed 35 years of age and must reside in or near Glasgow. A pension scheme is in operation and a company car is provided. Apply in first instance giving fullest details, to the Sales Manager, Thos. Kerfoot & Co., Ltd., Vale of Bardsley, Lancashire. C 6403

**WELL-KNOWN** company, manufacturing established pharmaceutical specialities, has vacancy for a representative to call on doctors and chemists in the Northumberland, Durham, Cumberland and part Yorkshire area. Good salary, expenses, bonuses and pension scheme. Car provided, or allowance paid. Write giving age and experience to Box C 6414.

**TWO** Junior Representatives required by internationally known Pharmaceutical House to undertake special sales promotion activities and to act as relief representatives throughout the United Kingdom. Salary, luncheon allowance and full expenses including use of Company car. Of the successful applicants one will be resident in the Greater London area and the other in Lancashire or the Midlands, but free to travel extensively and aged between 23-28. Previous sales experience not essential as full training given. Exceptional opportunities for young, well-educated men to embark on progressive sales careers. Send full details of experience and educational background to Box C 6415.

### VETERINARY SALES EXECUTIVE

**MERCK SHARP & DOHME, LTD.**, world-wide manufacturers of pharmaceutical specialities of original research will shortly extend their operations to include the Veterinary field. It is intended to appoint a Veterinary Sales Executive who will have the unique opportunity of initiating and developing the veterinary side of the business within the Home Sales Division.

Applications are invited from men having a good veterinary background interested in a commercial career with a progressive Company and who would show initiative and enthusiasm in helping in the promotion of veterinary products to the profession.

The person appointed will be required to undertake travel within the U.K. and will be based at the Company's Headquarters in Hoddesdon, which is in the Green Belt. Progressive salary. The Company have an attractive Pension and Life Assurance Scheme. Applicants should send full personal details to:

Home Sales Manager,  
Merck Sharp & Dohme, Ltd.,  
Hoddesdon,  
Herts. C 6409

**WHOLESALE DRUGGISTS**, Lancashire, require manager for proprietary medicine department. Must be fully conversant modern ethical pharmaceuticals, accustomed stock control, ordering, supervising staff. State age, experience, salary required. Box C 6405.

### WHOLESALE (OVERSEAS)

**A LEADING** Merchant House requires for service in British West Africa a Pharmacist (British qualification only). Applicants should preferably be between the ages of 28 and 36. Starting salary will be at least £1,050 per annum. Generous family allowances, free furnished accommodation and free medical services. There is a contributory pension fund which provides certain guaranteed benefits, including widows' and children's pensions and provision for retirement where the qualifying age for a pension is not reached. Initial kit allowance of £75, colonial rates of income tax, tours of about 21 months followed by substantial leave on full pay. Free first-class passages are provided for men, their wives and children under age eight. Apply giving full particulars to Box C 6406.

### AGENTS WANTED

**FOOD** manufacturers specialising in diabetic and dietetic foods (cans and packages) seek sales agents in provincial areas. Must have sound connections with wholesale factors and multiple distributors. Write full details first instance Box C 4530.

**M.A.A.**—The Badge of a good manufacturers' agent. Manufacturers requiring reputable agents are invited to communicate with the Secretary, The Manufacturers' Agents' Association of Great Britain & Ireland (Inc.), Bream's Buildings, E.C.4. Membership available to established agents only. Particulars supplied. C 4

**SOLE AGENTS** required to develop sales of unique uncompetitive, non-seasonable and untaxed edible product with exceptional scope. Regular repeats assured. The product is widely known although not advertised as yet. Applicants must be keen, progressive and have strong connections. Very liberal terms. Available territories include London and Home Counties, West Country, Yorkshire and Scotland. Full particulars please. Box C 4545.

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**PHARMACY** and cosmetic counter. Senior unqualified lady assistant experienced in cosmetics, toilet goods, jewellery, display and with buying ability seeks position in or near London. Box C 4541.

#### WHOLESALE

**ADVERTISER** with 30 years' very successful experience of the chemical and cosmetic industry, for the past 20 years having held posts as top-grade executive, experienced in sales, office, factory control, home trade and export, seeks a change. Only positions of a similar nature considered. Box C 4527.

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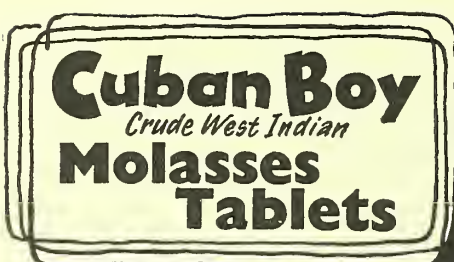
**REPRESENTATIVE**, aged 33, car owner, resident Bournemouth, desires appointment with cosmetic or perfumery house. Well connected throughout South-western Counties. Box C 4521.

**YOUNG** enthusiastic representative desires post with reputable company. Excellent connection London and adjacent counties. Box C 4503.

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**RARE OPPORTUNITY** for an enterprising company to capitalise development of a unique non-ethical edible product with 14 years' trading evidence of singular and unrestricted potentialities. Non-seasonable, uncompetitive and untaxed. Liberal profit. Registered title and patented pack. Personally detailed to principals only. Box C 4544

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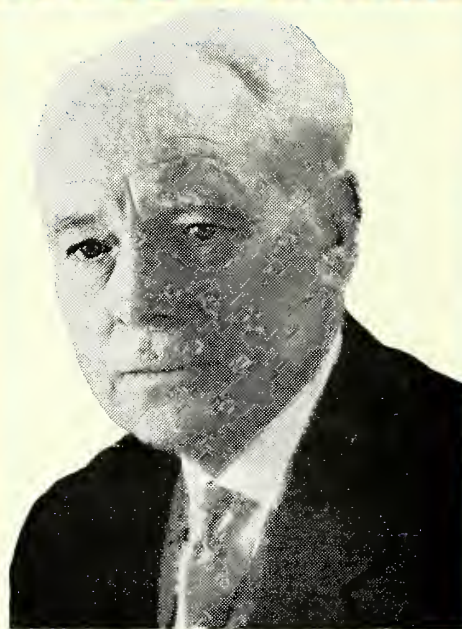


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Each capsule contains:

Vitamin A	5,000 I.U.	Ascorbic Acid (C)	50 mg.
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Vitamin B <sub>12</sub> as present in concentrated extractives from streptomyces fermentation	1 microgram.	Rutin	25 mg.
Thiamine mononitrate (B <sub>1</sub> )	5 mg.	Iron (as FeSO <sub>4</sub> )	10 mg.
Riboflavin (B <sub>2</sub> )	5 mg.	Iodine (as KI)	0.5 mg.
Niacinamide	15 mg.	Calcium (as CaHPO <sub>4</sub> )	145 mg.
Folic Acid	1 mg.	Phosphorus (as CaHPO <sub>4</sub> )	110 mg.
Pyridoxine HCl (B <sub>6</sub> )	0.5 mg.	Boron (as Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> ·10H <sub>2</sub> O)	0.1 mg.
Calcium pantothenate	5 mg.	Copper (as CuO)	1 mg.
Choline dihydrogen citrate	100 mg.	Fluorine (as CaF <sub>2</sub> )	0.1 mg.
Inositol	50 mg.	Manganese (as MnO <sub>2</sub> )	1 mg.
Vitamin E	10 Units	Magnesium (as MgO)	1 mg.
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